

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015322.D
 Acq On : 26 May 2023 22:28
 Operator : CG/JU
 Sample : 02945-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB17A

Quant Time: May 29 02:09:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

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

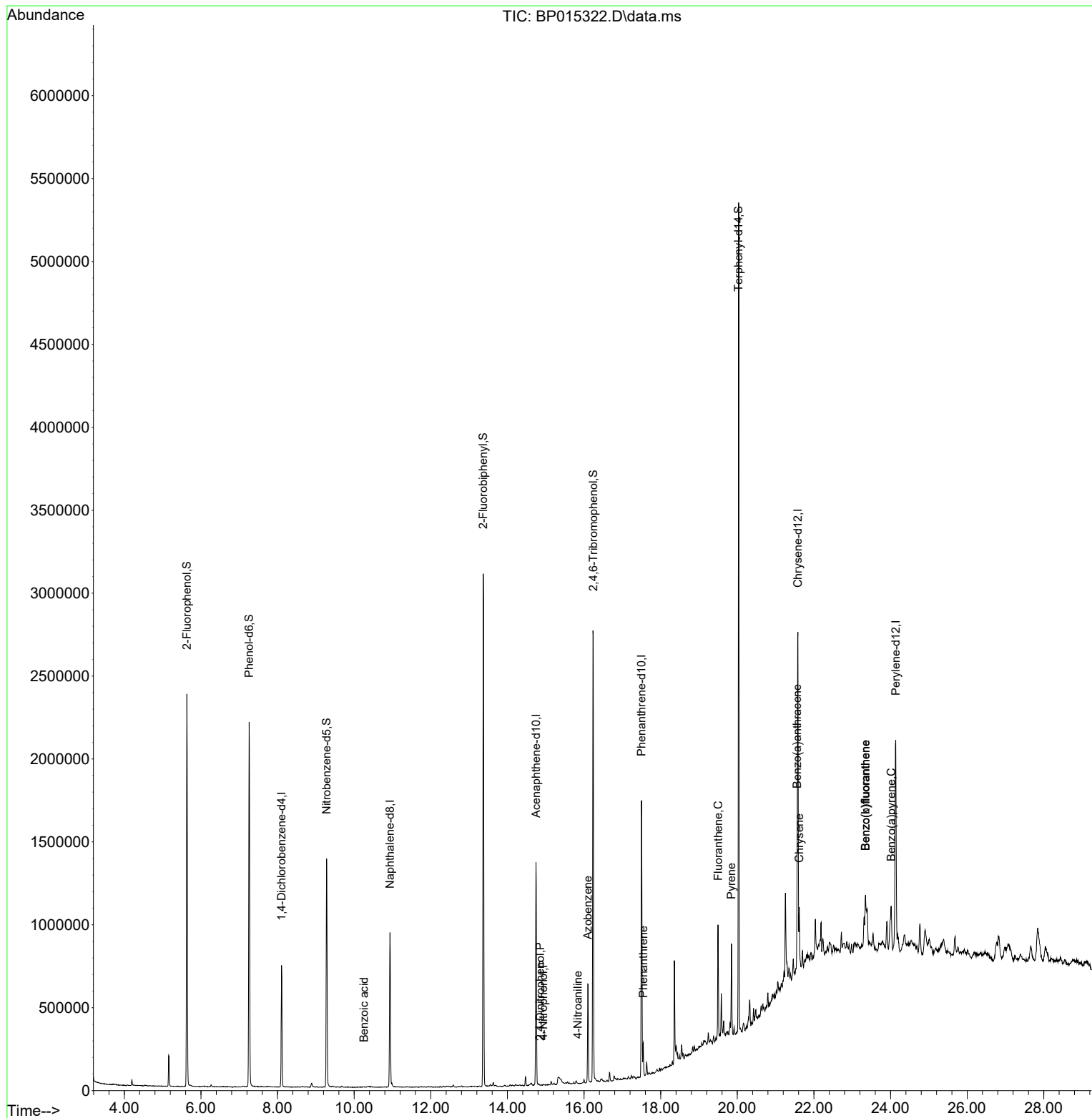
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	189209	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	741436	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	443576	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	1000270	20.000	ng	0.00
76) Chrysene-d12	21.580	240	919119	20.000	ng	0.00
86) Perylene-d12	24.133	264	1084765	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	968529	84.822	ng	0.00
7) Phenol-d6	7.258	99	1246203	83.280	ng	0.00
23) Nitrobenzene-d5	9.281	82	790423	52.052	ng	-0.01
42) 2,4,6-Tribromophenol	16.239	330	507283	84.156	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1520003	46.005	ng	-0.01
79) Terphenyl-d14	20.033	244	2354444	48.183	ng	0.00
Target Compounds						
9) Benzaldehyde	7.258	77	3337	Below Cal	Qvalue	# 24
32) Benzoic acid	10.257	122	124	6.355	ng	# 46
54) 2,4-Dinitrophenol	14.851	184	9	5.189	ng	# 1
56) 4-Nitrophenol	14.934	139	160	3.452	ng	# 1
62) 4-Nitroaniline	15.834	138	153	2.323	ng	# 83
63) Azobenzene	16.098	77	174689	5.297	ng	# 1
71) Phenanthrene	17.545	178	118378	2.220	ng	98
75) Fluoranthene	19.498	202	356147	5.719	ng	99
78) Pyrene	19.845	202	315053	4.791	ng	99
81) Benzo(a)anthracene	21.563	228	231825	3.630	ng	97
83) Chrysene	21.616	228	208248	3.401	ng	97
88) Benzo(b)fluoranthene	23.345	252	280248	4.249	ng	# 95
89) Benzo(k)fluoranthene	23.345	252	280248	4.220	ng	# 94
90) Benzo(a)pyrene	24.016	252	201647	3.167	ng	# 92

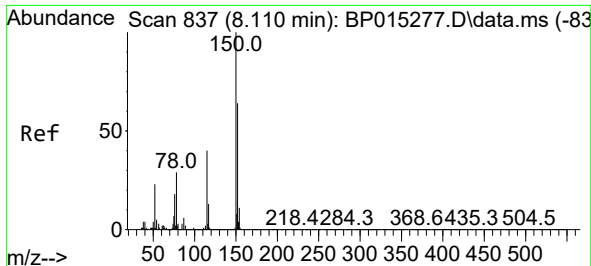
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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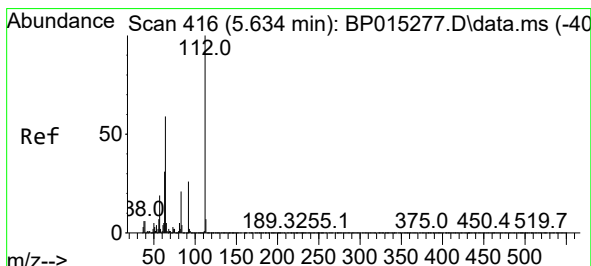
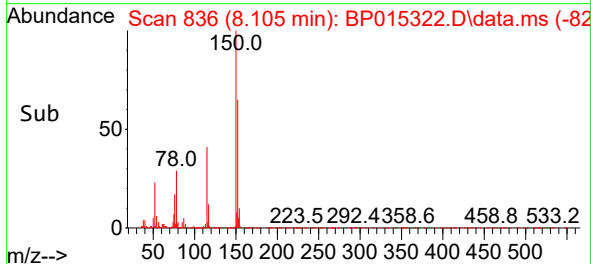
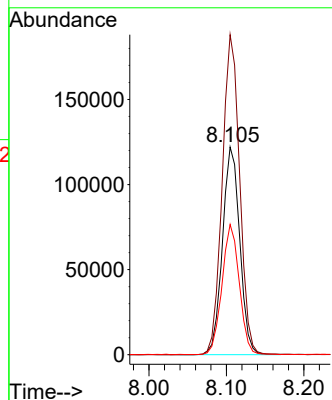
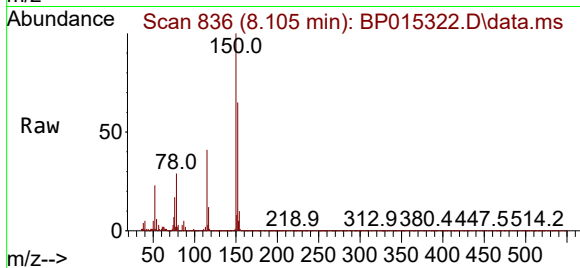




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.105 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BP015322.D
 Acq: 26 May 2023 22:28

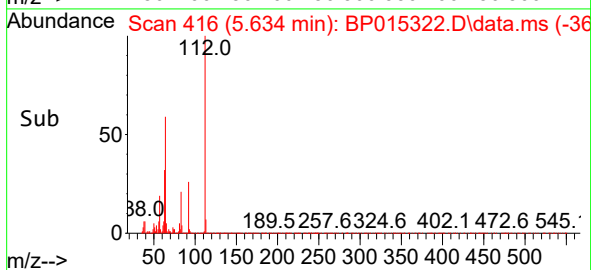
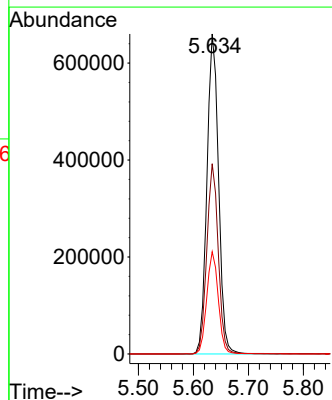
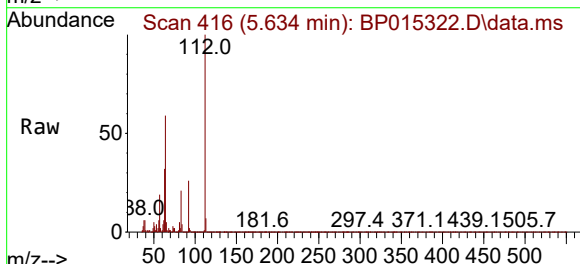
Instrument :
 BNA_P
 ClientSampleId :
 SB17A

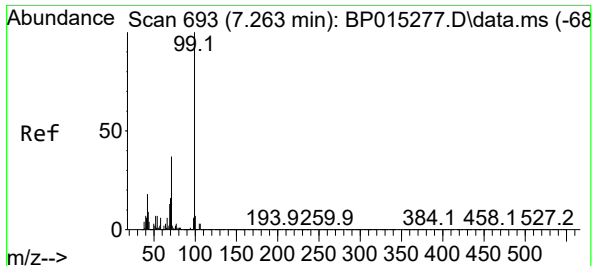
Tgt Ion:152 Resp: 189209
 Ion Ratio Lower Upper
 152 100
 150 154.1 124.2 186.2
 115 62.7 49.1 73.7



#5
 2-Fluorophenol
 Concen: 84.822 ng
 RT: 5.634 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: BP015322.D
 Acq: 26 May 2023 22:28

Tgt Ion:112 Resp: 968529
 Ion Ratio Lower Upper
 112 100
 64 59.4 47.2 70.8
 63 32.0 24.6 37.0



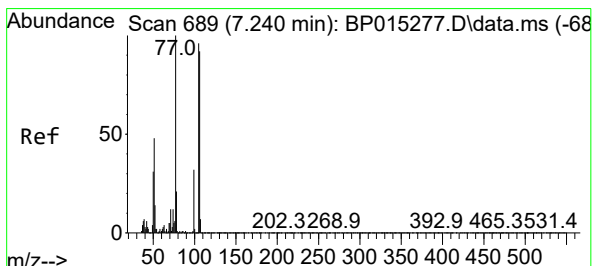
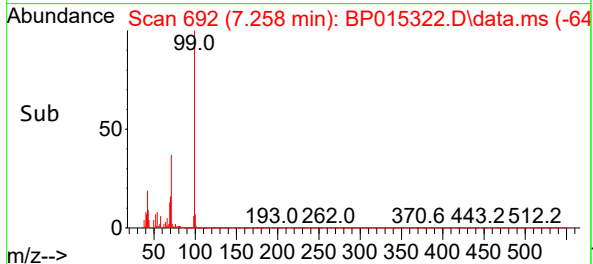
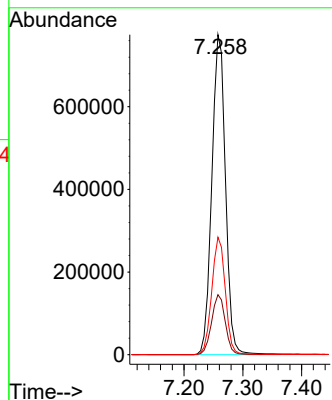
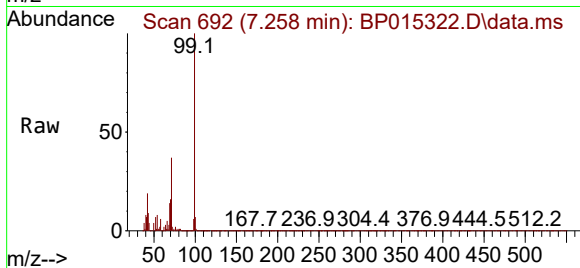


#7
Phenol-d6
Concen: 83.280 ng
RT: 7.258 min Scan# 692
Delta R.T. -0.006 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

Instrument :
BNA_P
ClientSampleId :
SB17A

Tgt Ion: 99 Resp: 1246203

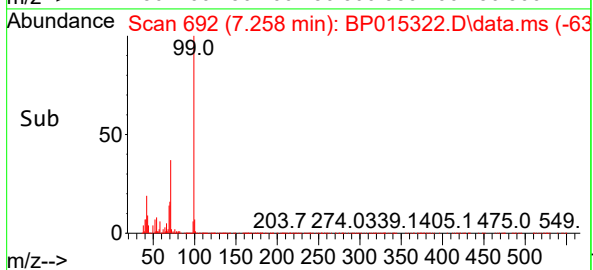
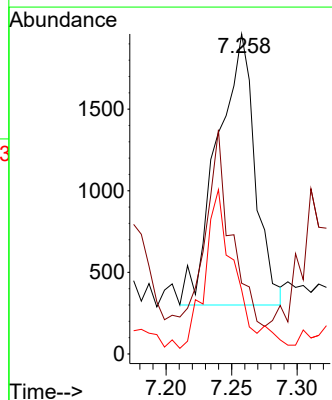
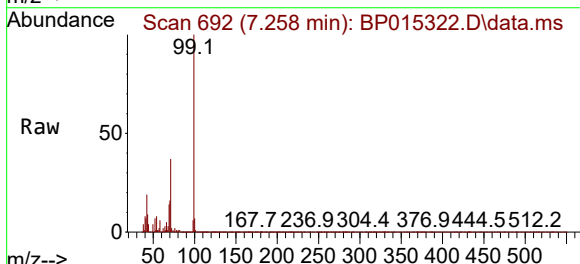
Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.6	22.0
71	36.7	29.4	44.2

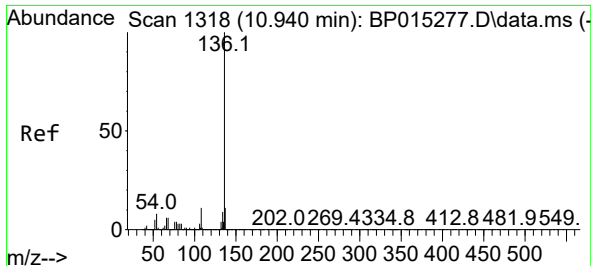


#9
Benzaldehyde
Concen: Below Cal
RT: 7.258 min Scan# 692
Delta R.T. 0.018 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

Tgt Ion: 77 Resp: 3337

Ion	Ratio	Lower	Upper
77	100		
105	22.1	75.9	115.9#
106	20.0	72.3	112.3#

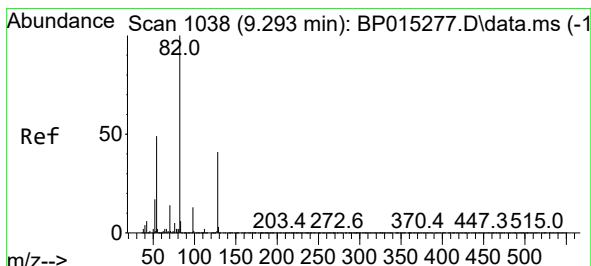
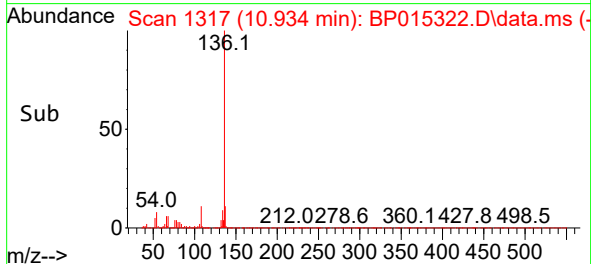
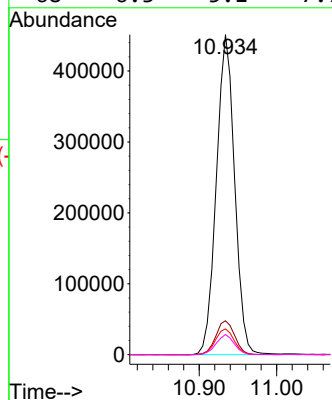
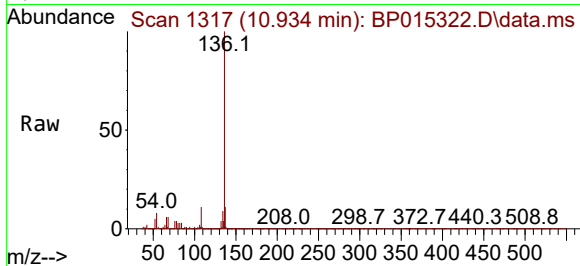




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

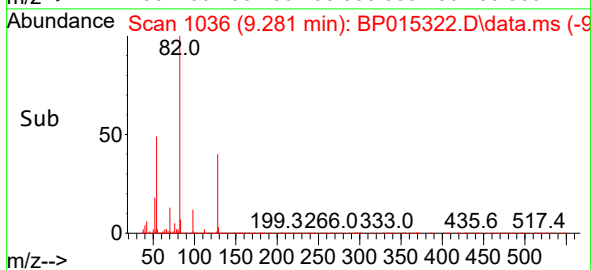
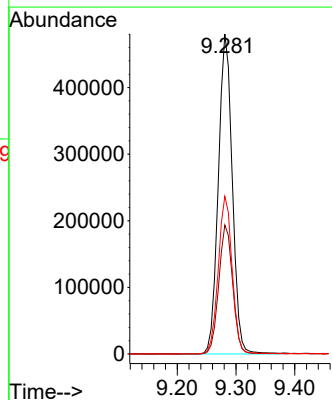
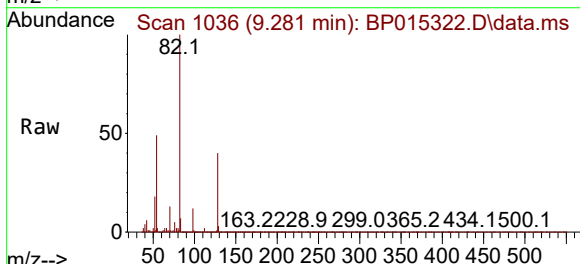
Instrument :
BNA_P
ClientSampleId :
SB17A

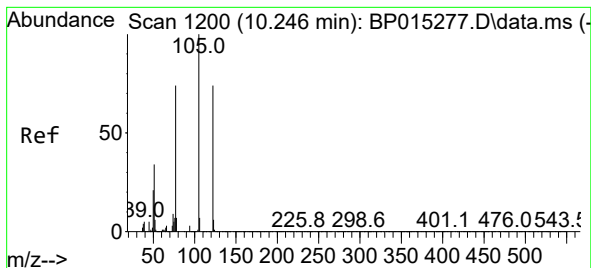
Tgt Ion:	136	Resp:	741436
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.1	6.3	9.5
68	6.3	5.1	7.7



#23
Nitrobenzene-d5
Concen: 52.052 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.012 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

Tgt Ion:	82	Resp:	790423
Ion	Ratio	Lower	Upper
82	100		
128	40.3	33.0	49.4
54	49.2	39.2	58.8





#32

Benzoic acid

Concen: 6.355 ng

RT: 10.257 min Scan# 11

Delta R.T. 0.011 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

Instrument :

BNA_P

ClientSampleId :

SB17A

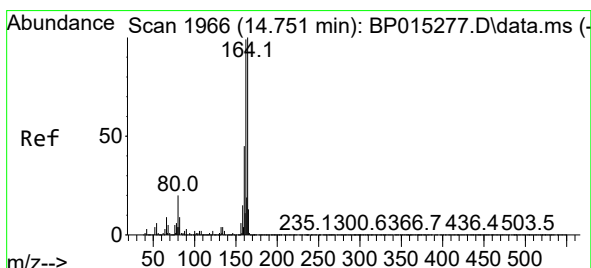
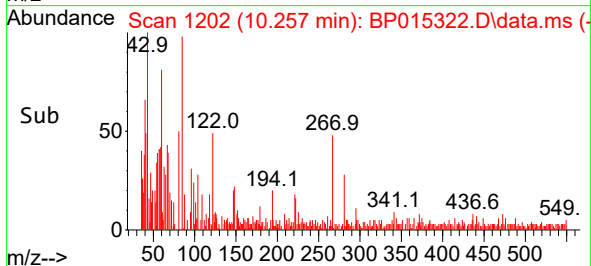
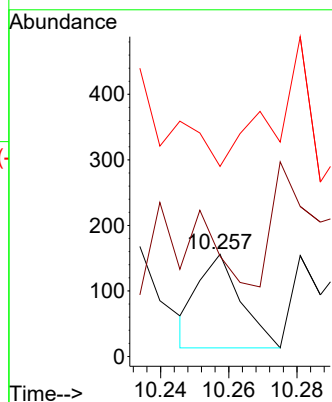
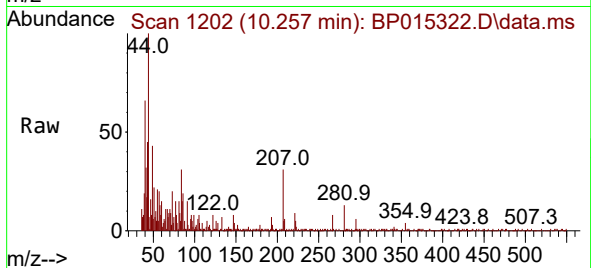
Tgt Ion:122 Resp: 124

Ion Ratio Lower Upper

122 100

105 98.1 109.5 149.5#

77 185.9 78.2 118.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.745 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

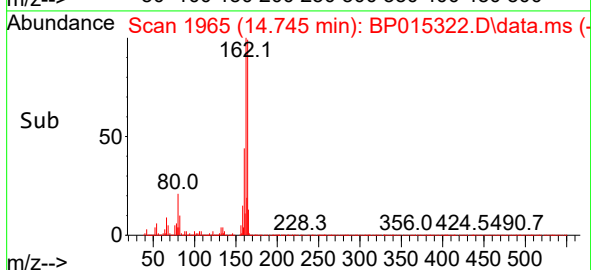
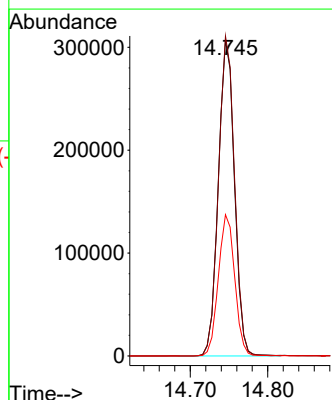
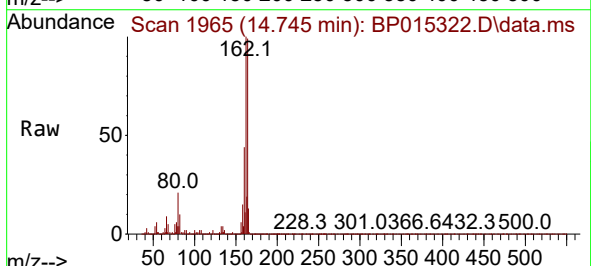
Tgt Ion:164 Resp: 443576

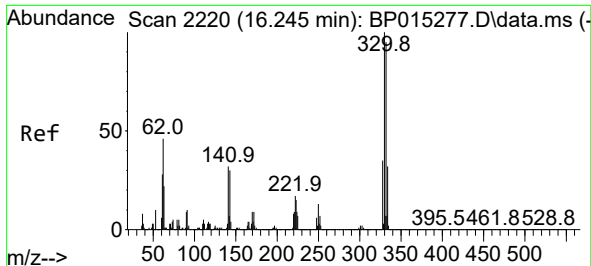
Ion Ratio Lower Upper

164 100

162 101.4 79.4 119.2

160 44.8 35.6 53.4

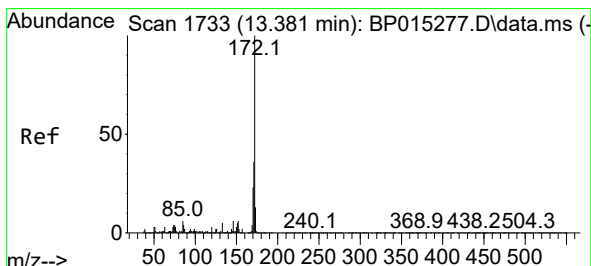
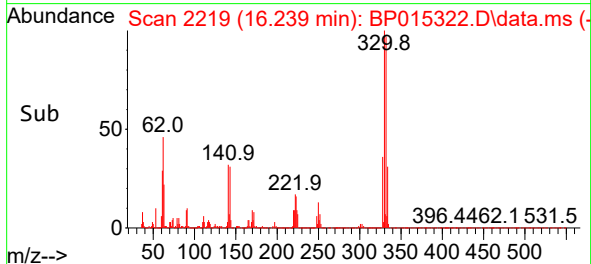
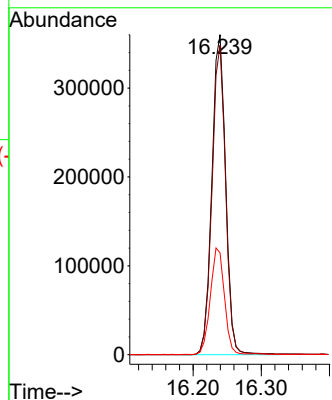
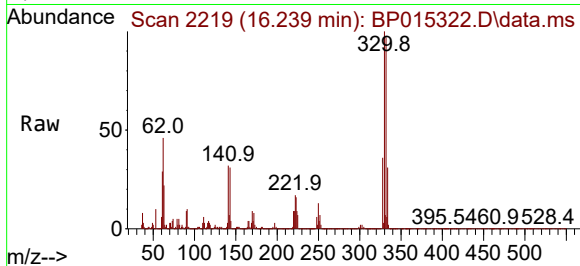




#42
2,4,6-Tribromophenol
Concen: 84.156 ng
RT: 16.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

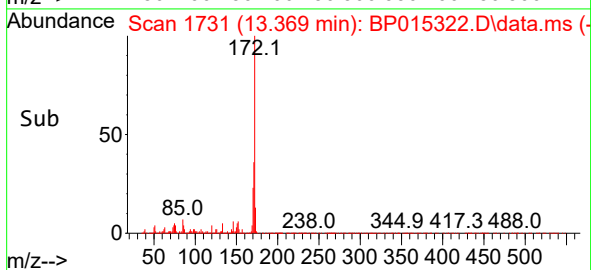
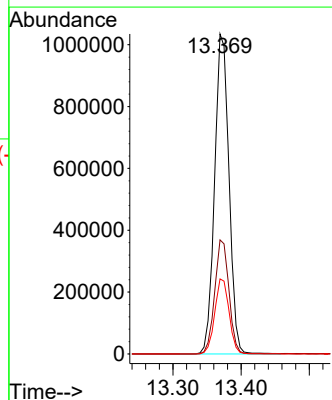
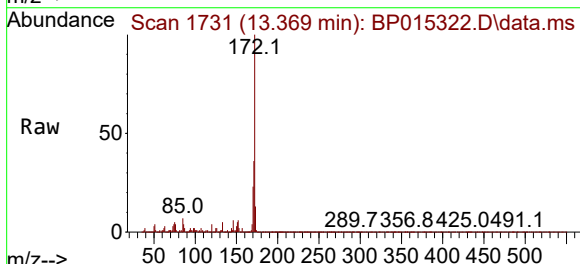
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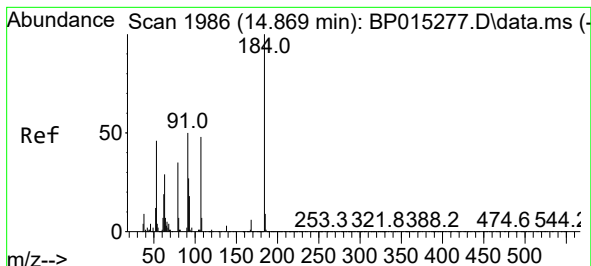
Tgt Ion:330 Resp: 507283
Ion Ratio Lower Upper
330 100
332 95.4 76.3 114.5
141 33.9 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 46.005 ng
RT: 13.369 min Scan# 1731
Delta R.T. -0.012 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

Tgt Ion:172 Resp: 1520003
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.5 18.7 28.1

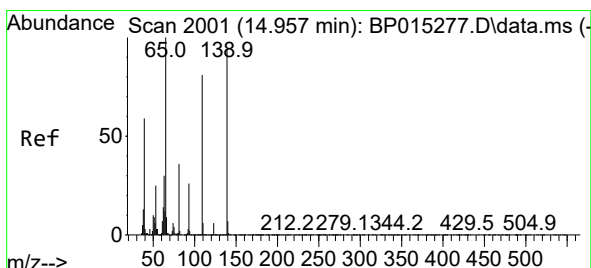
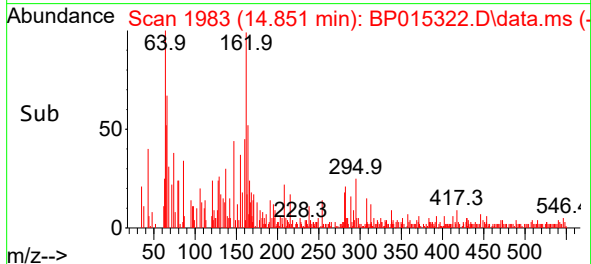
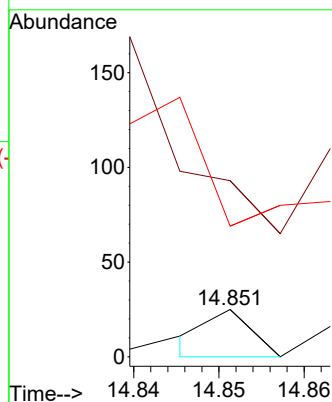
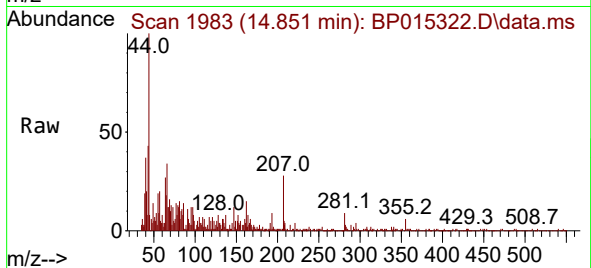




#54
2,4-Dinitrophenol
Concen: 5.189 ng
RT: 14.851 min Scan# 1983
Delta R.T. -0.018 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

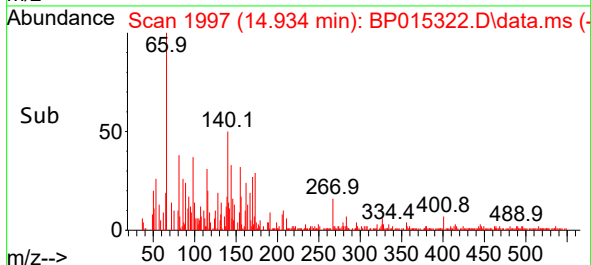
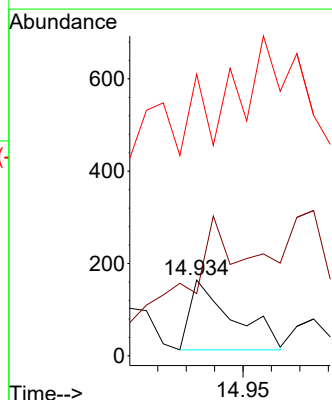
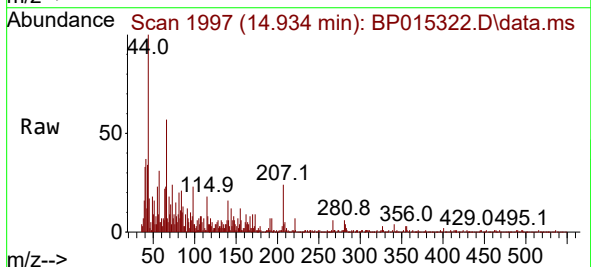
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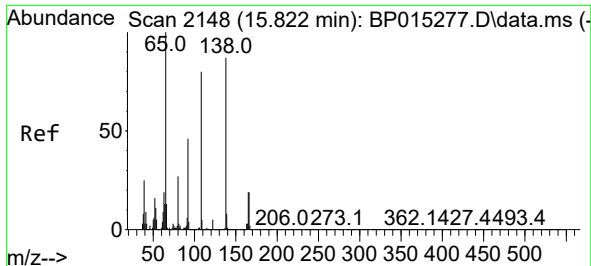
Tgt Ion:184 Resp: 9
Ion Ratio Lower Upper
184 100
63 372.0 56.2 84.4#
154 276.0 53.2 79.8#



#56
4-Nitrophenol
Concen: 3.452 ng
RT: 14.934 min Scan# 1997
Delta R.T. -0.023 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

Tgt Ion:139 Resp: 160
Ion Ratio Lower Upper
139 100
109 82.3 66.5 106.5
65 372.0 86.6 126.6#

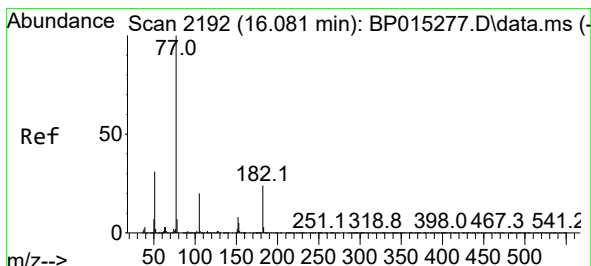
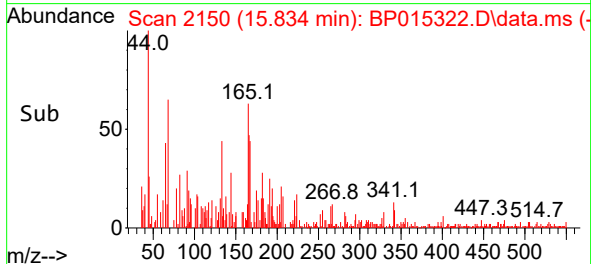
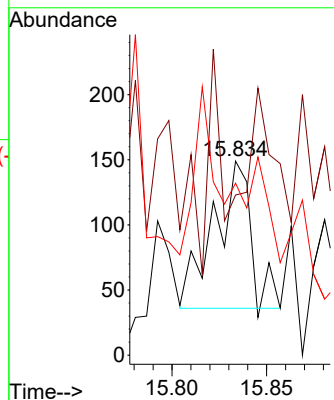
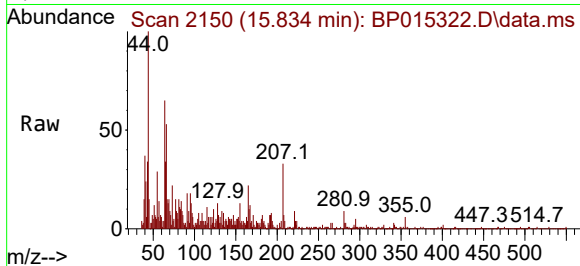




#62
4-Nitroaniline
Concen: 2.323 ng
RT: 15.834 min Scan# 2148
Delta R.T. 0.012 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

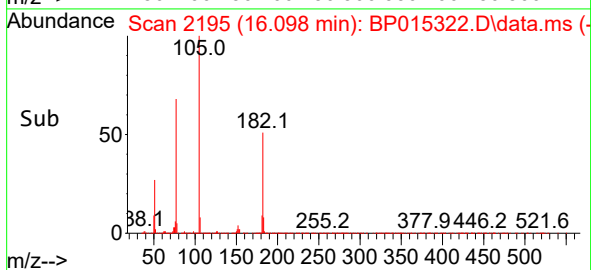
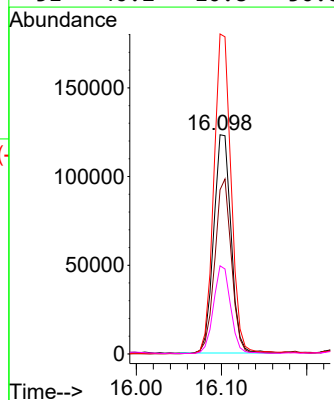
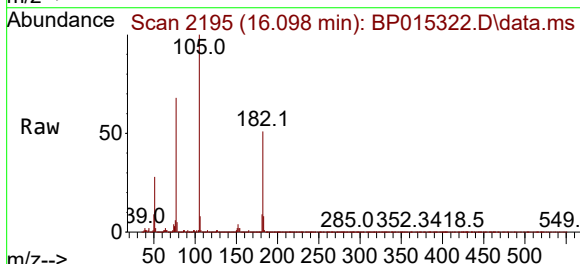
Instrument :
BNA_P
ClientSampleId :
SB17A

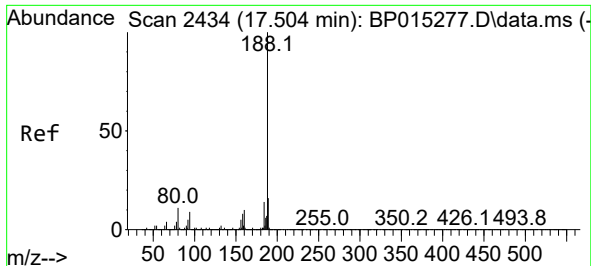
Tgt Ion:138 Resp: 153
Ion Ratio Lower Upper
138 100
92 82.6 33.1 73.1#
108 88.6 71.0 111.0



#63
Azobenzene
Concen: 5.297 ng
RT: 16.098 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

Tgt Ion: 77 Resp: 174689
Ion Ratio Lower Upper
77 100
182 74.9 3.9 43.9#
105 146.0 0.3 40.3#
51 40.2 10.8 50.8

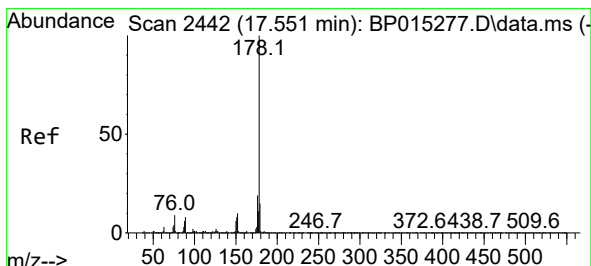
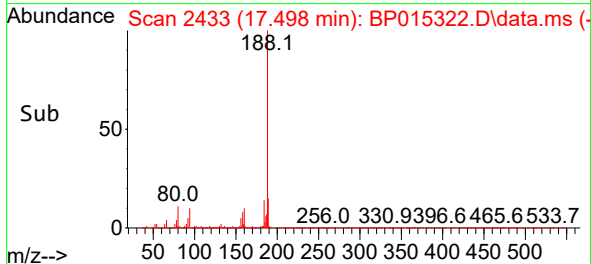
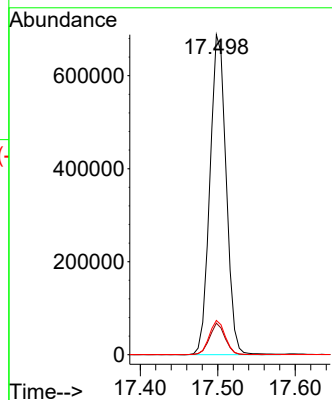
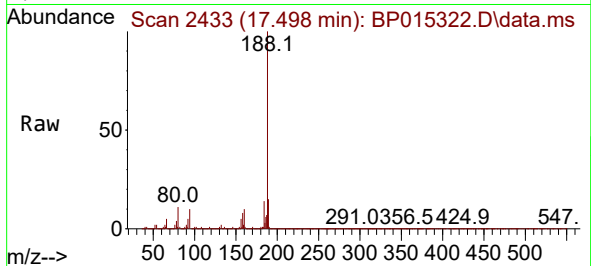




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

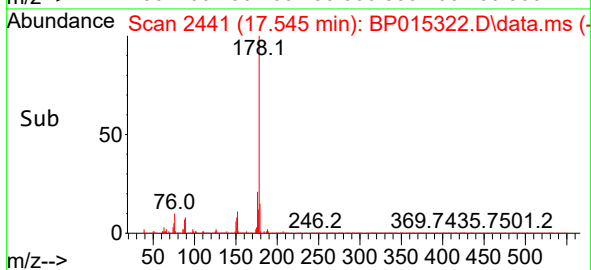
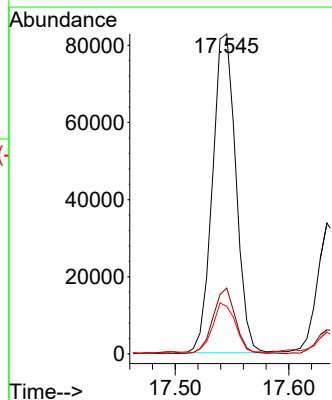
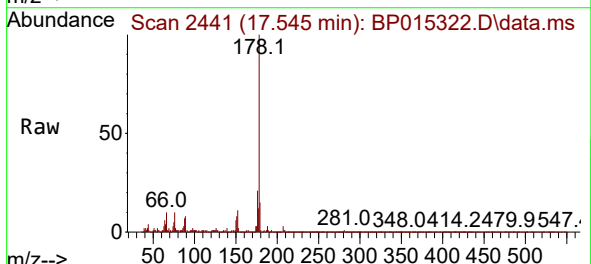
Instrument :
BNA_P
ClientSampleId :
SB17A

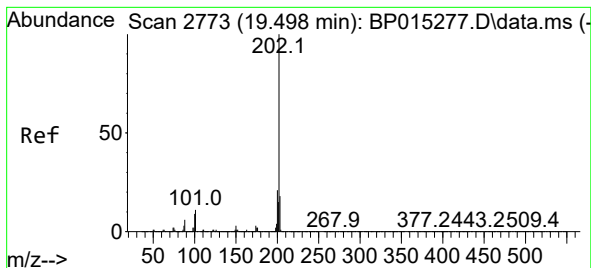
Tgt Ion:188 Resp: 1000270
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.0
80 10.7 8.6 13.0



#71
Phenanthrene
Concen: 2.220 ng
RT: 17.545 min Scan# 2441
Delta R.T. -0.006 min
Lab File: BP015322.D
Acq: 26 May 2023 22:28

Tgt Ion:178 Resp: 118378
Ion Ratio Lower Upper
178 100
176 20.6 15.3 22.9
179 14.9 12.3 18.5





#75

Fluoranthene

Concen: 5.719 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

Instrument :

BNA_P

ClientSampleId :

SB17A

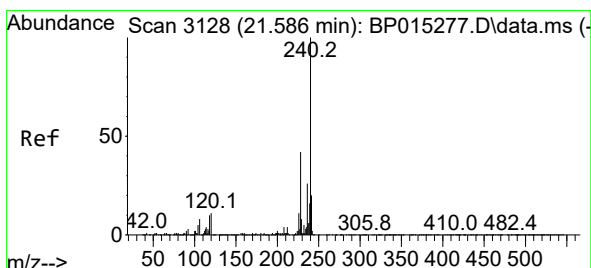
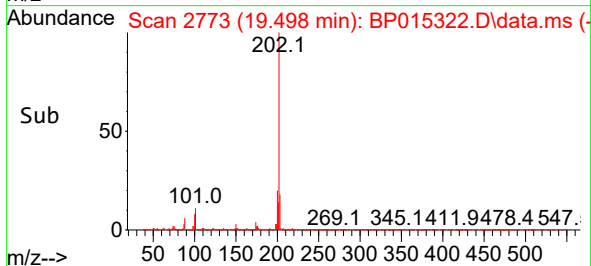
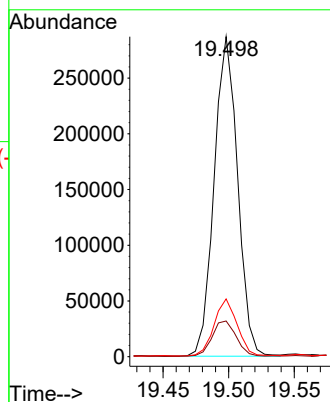
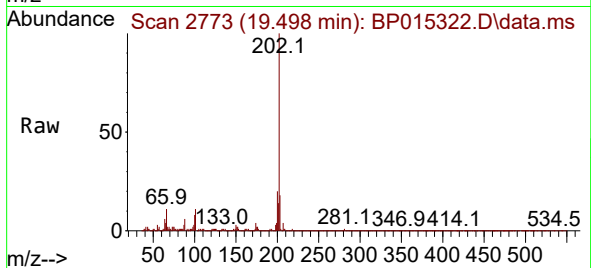
Tgt Ion:202 Resp: 356147

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

203 18.1 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.580 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

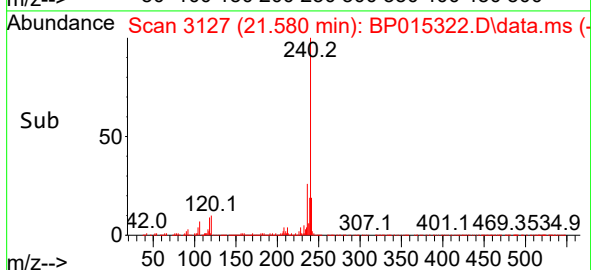
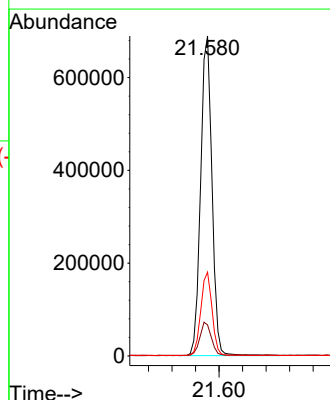
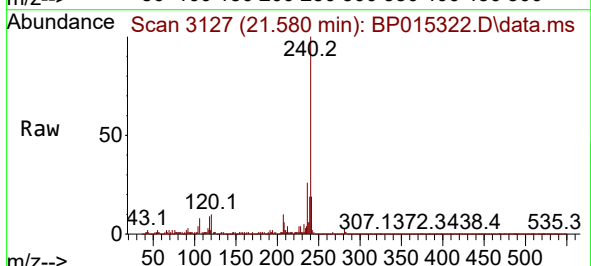
Tgt Ion:240 Resp: 919119

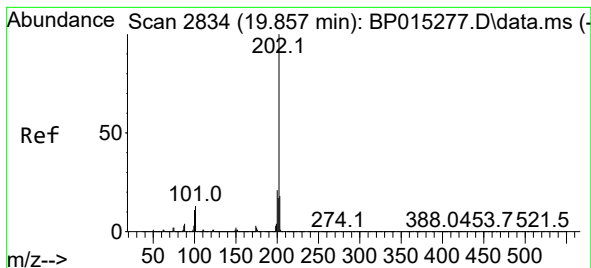
Ion Ratio Lower Upper

240 100

120 9.7 8.8 13.2

236 26.2 20.5 30.7





#78

Pyrene

Concen: 4.791 ng

RT: 19.845 min Scan# 2834

Delta R.T. -0.012 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

Instrument :

BNA_P

ClientSampleId :

SB17A

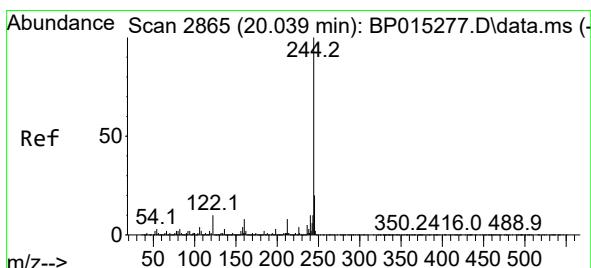
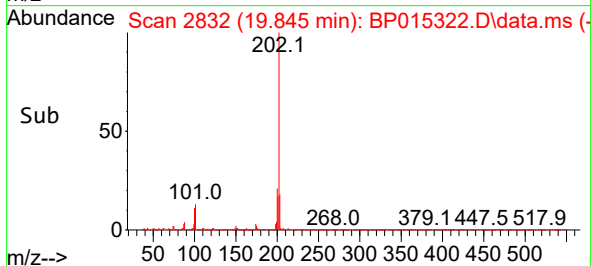
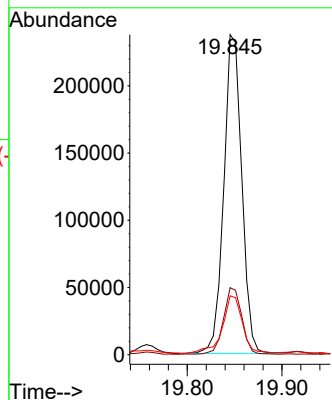
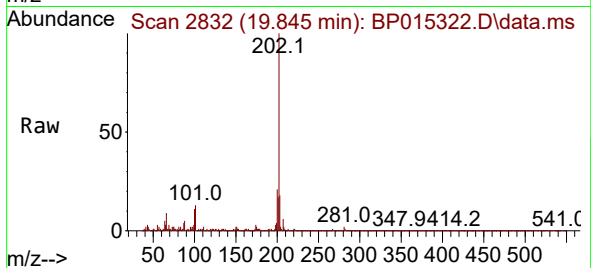
Tgt Ion:202 Resp: 315053

Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 18.4 14.2 21.2



#79

Terphenyl-d14

Concen: 48.183 ng

RT: 20.033 min Scan# 2864

Delta R.T. -0.006 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

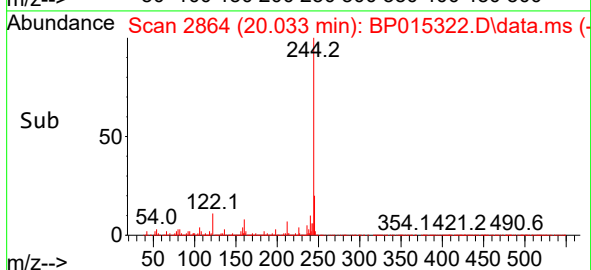
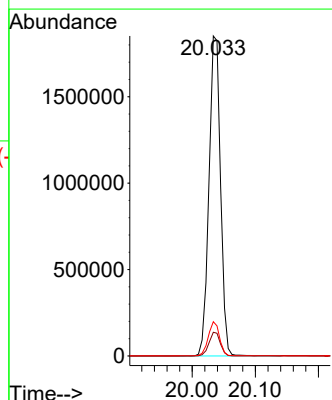
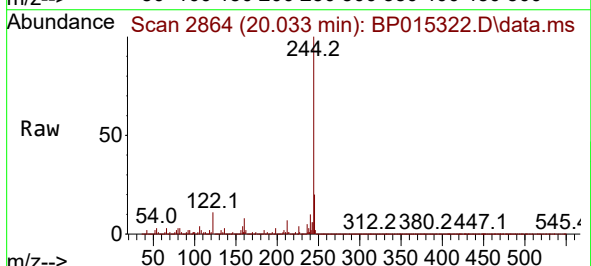
Tgt Ion:244 Resp: 2354444

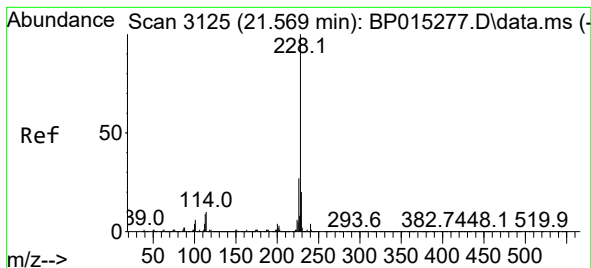
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 10.7 8.2 12.4





#81

Benzo(a)anthracene

Concen: 3.630 ng

RT: 21.563 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

Instrument :

BNA_P

ClientSampleId :

SB17A

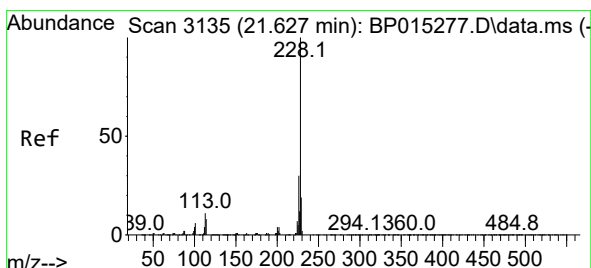
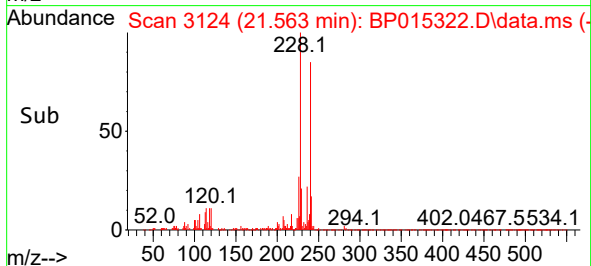
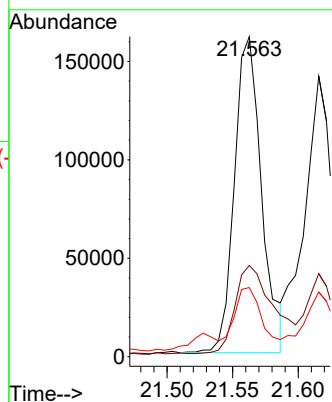
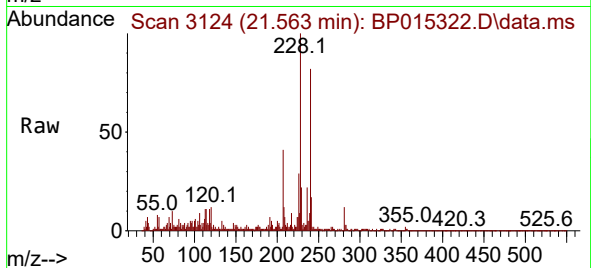
Tgt Ion:228 Resp: 231825

Ion Ratio Lower Upper

228 100

226 28.5 21.7 32.5

229 21.6 15.8 23.8



#83

Chrysene

Concen: 3.401 ng

RT: 21.616 min Scan# 3133

Delta R.T. -0.012 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

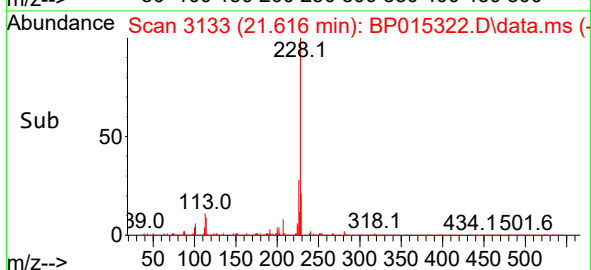
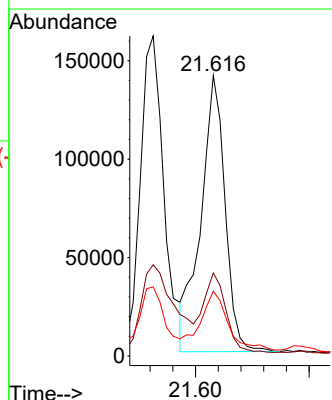
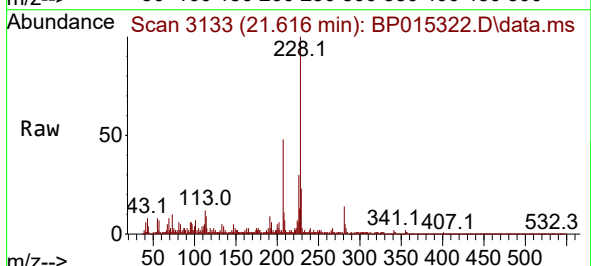
Tgt Ion:228 Resp: 208248

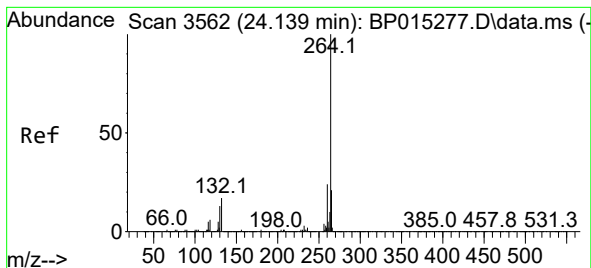
Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

229 23.1 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.133 min Scan# 3562

Delta R.T. -0.006 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

Instrument :

BNA_P

ClientSampleId :

SB17A

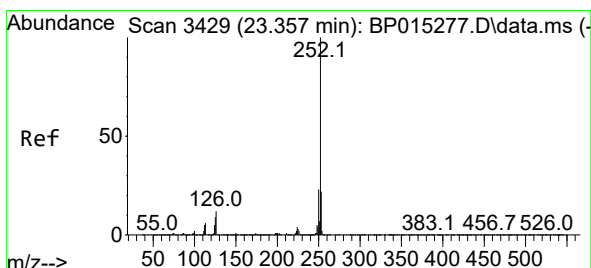
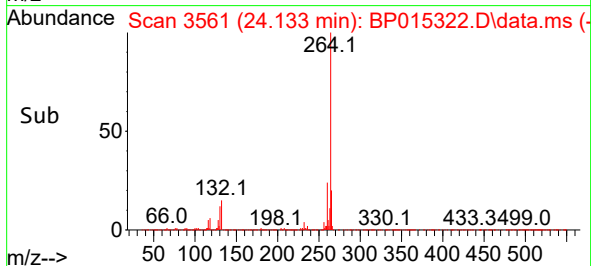
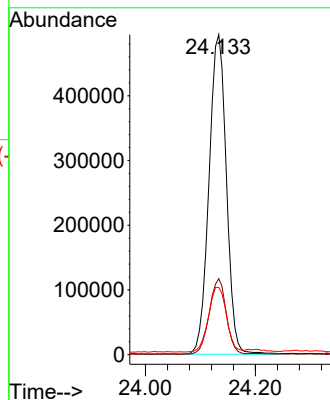
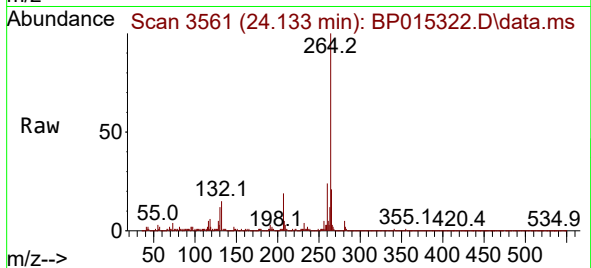
Tgt Ion:264 Resp: 1084765

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 21.0 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 4.249 ng

RT: 23.345 min Scan# 3427

Delta R.T. -0.012 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

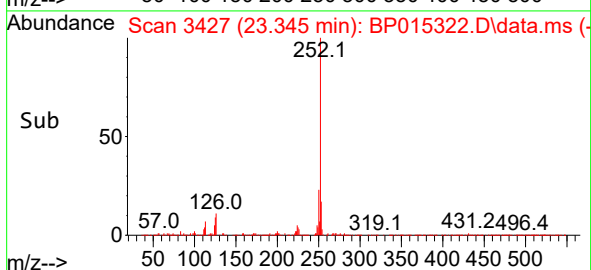
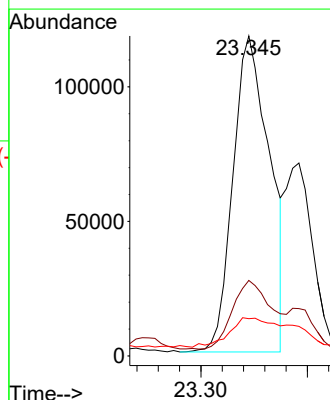
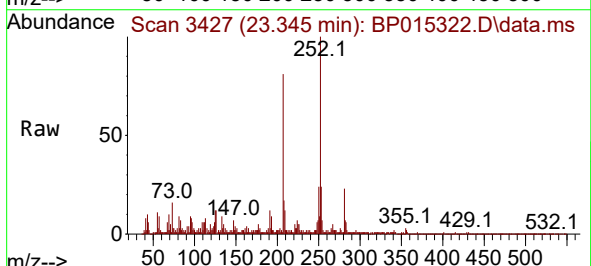
Tgt Ion:252 Resp: 280248

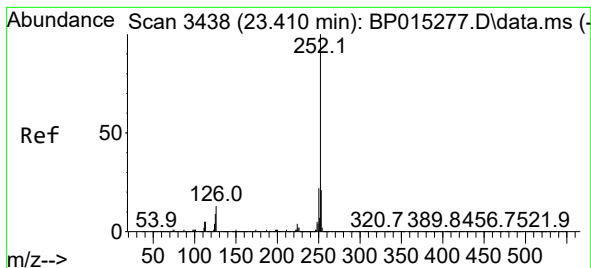
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 11.7 7.2 10.8#





#89

Benzo(k)fluoranthene

Concen: 4.220 ng

RT: 23.345 min Scan# 34

Delta R.T. -0.065 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

Instrument :

BNA_P

ClientSampleId :

SB17A

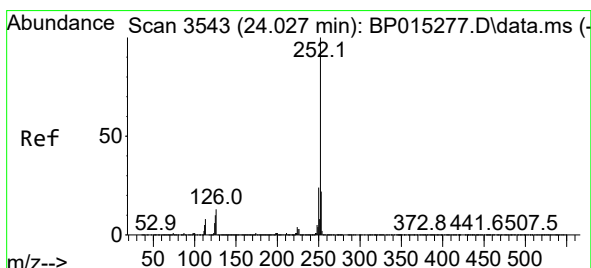
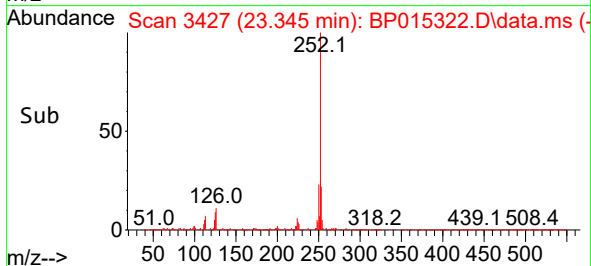
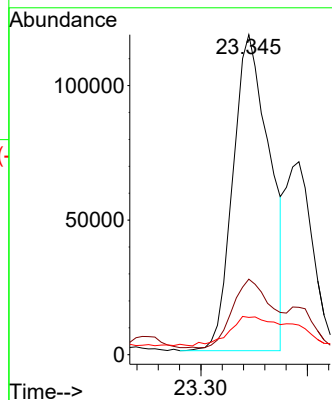
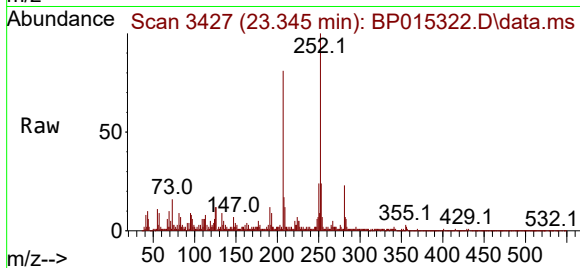
Tgt Ion:252 Resp: 280248

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.4

125 11.7 7.4 11.0#



#90

Benzo(a)pyrene

Concen: 3.167 ng

RT: 24.016 min Scan# 3541

Delta R.T. -0.012 min

Lab File: BP015322.D

Acq: 26 May 2023 22:28

Tgt Ion:252 Resp: 201647

Ion Ratio Lower Upper

252 100

253 25.7 17.4 26.2

125 13.2 8.4 12.6#

