

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013023\
 Data File : BP013666.D
 Acq On : 31 Jan 2023 03:09
 Operator : CG/JU
 Sample : 01322-01DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-01-1-26-2023DL

Quant Time: Jan 31 04:47:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 31 04:38:43 2023
 Response via : Initial Calibration

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

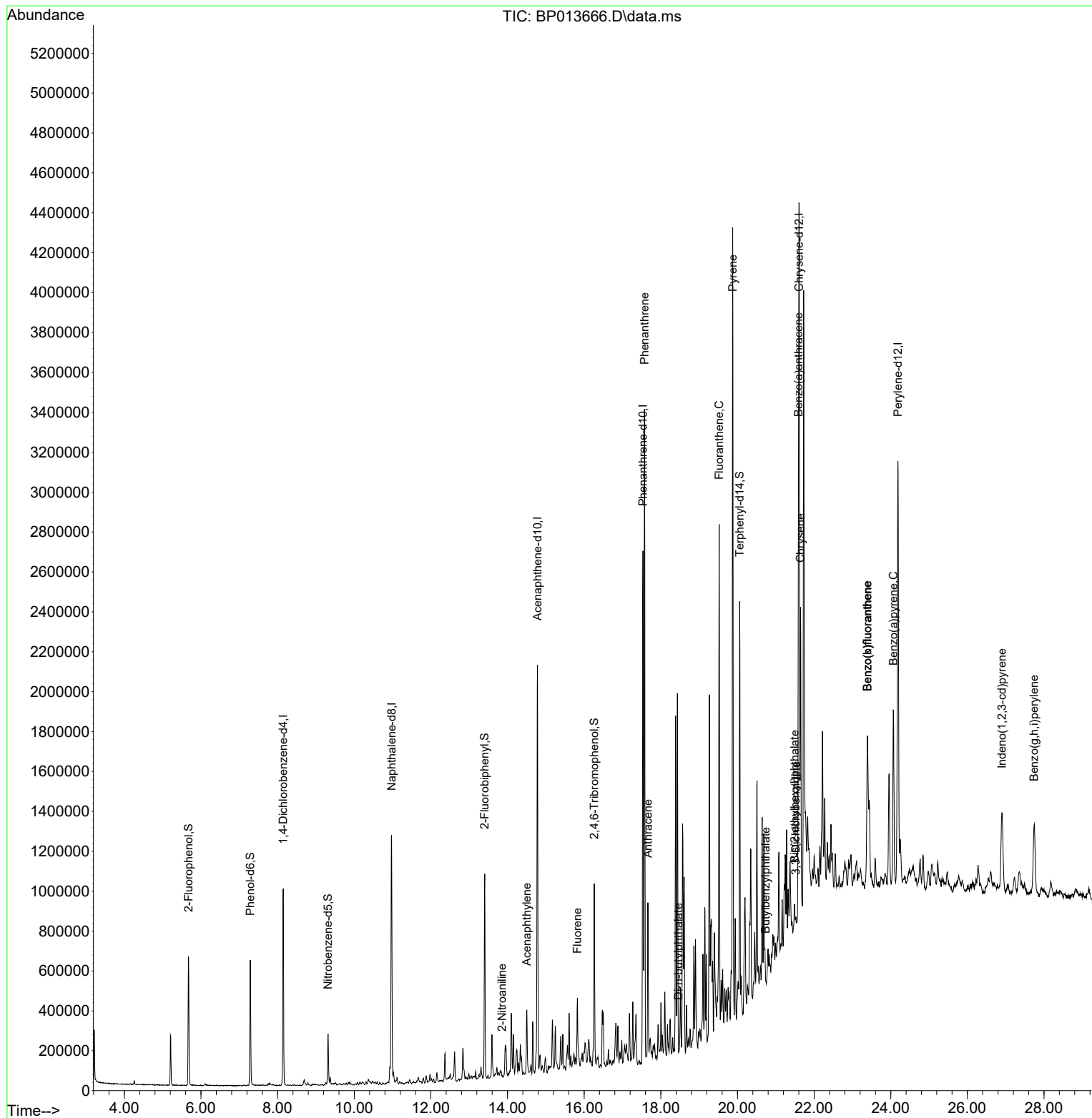
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.146	152	283549	20.000	ng	0.00
21) Naphthalene-d8	10.975	136	1090080	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	700339	20.000	ng	0.00
64) Phenanthrene-d10	17.534	188	1598423	20.000	ng	0.00
76) Chrysene-d12	21.610	240	1596794	20.000	ng	-0.01
86) Perylene-d12	24.186	264	1839043	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	293911	18.574	ng	0.00
7) Phenol-d6	7.287	99	390457	18.267	ng	-0.01
23) Nitrobenzene-d5	9.316	82	151328	7.628	ng	-0.01
42) 2,4,6-Tribromophenol	16.263	330	158859	14.899	ng	-0.01
45) 2-Fluorobiphenyl	13.404	172	545859	11.132	ng	0.00
79) Terphenyl-d14	20.057	244	914363	10.105	ng	-0.01
Target Compounds						Qvalue
48) 2-Nitroaniline	13.857	65	281	3.946	ng	# 34
49) Acenaphthylene	14.504	152	221352	3.370	ng	97
58) Fluorene	15.822	166	160073	3.179	ng	99
71) Phenanthrene	17.575	178	1976497	24.110	ng	100
72) Anthracene	17.663	178	501811	6.058	ng	99
74) Di-n-butylphthalate	18.457	149	2201	3.599	ng	# 38
75) Fluoranthene	19.522	202	1352166	13.224	ng	98
78) Pyrene	19.875	202	2292538	18.551	ng	99
80) Butylbenzylphthalate	20.733	149	2142	5.473	ng	# 46
81) Benzo(a)anthracene	21.592	228	970256	8.629	ng	97
82) 3,3'-Dichlorobenzidine	21.516	252	613	6.373	ng	# 86
83) Chrysene	21.645	228	891668	8.440	ng	99
84) Bis(2-ethylhexyl)phtha...	21.492	149	6487	3.587	ng	# 66
87) Indeno(1,2,3-cd)pyrene	26.898	276	439347	3.398	ng	98
88) Benzo(b)fluoranthene	23.392	252	762603	6.459	ng	# 97
89) Benzo(k)fluoranthene	23.392	252	762603	6.506	ng	# 96
90) Benzo(a)pyrene	24.068	252	705016	6.344	ng	97
92) Benzo(g,h,i)perylene	27.739	276	549626	5.189	ng	95

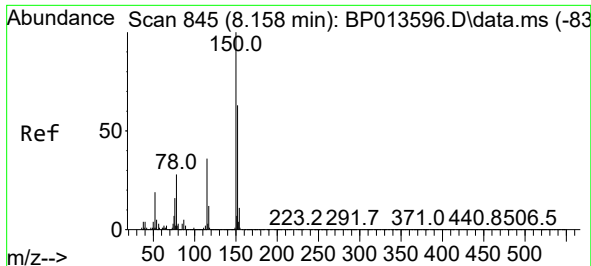
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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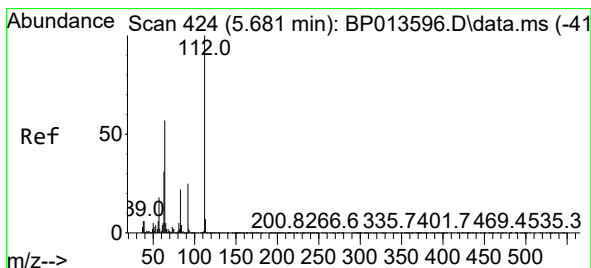
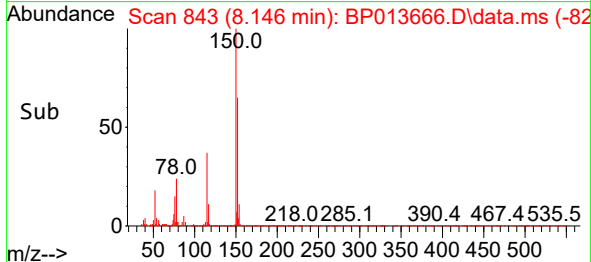
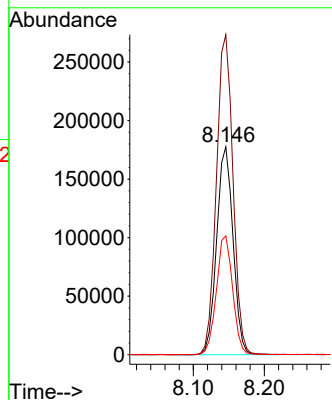
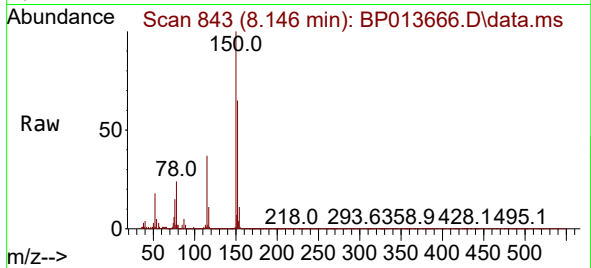




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.146 min Scan# 84
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

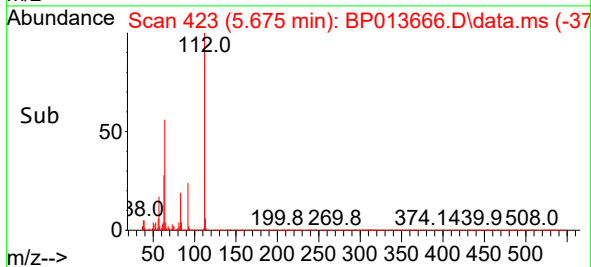
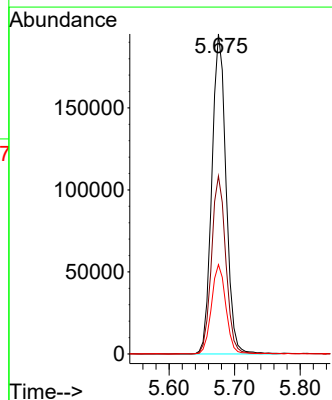
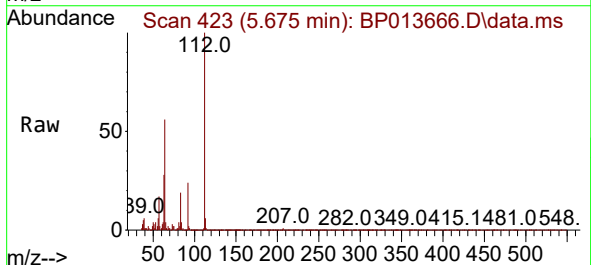
Instrument :
BNA_P
ClientSampleId :
EO-01-1-26-2023DL

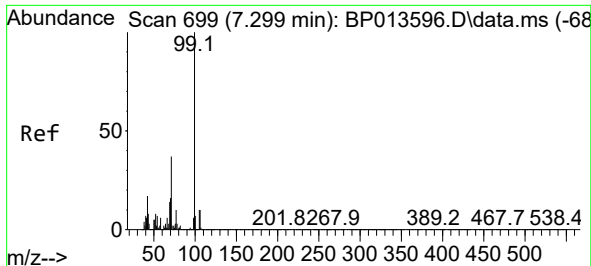
Tgt Ion:152 Resp: 283549
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.2
115 57.2 45.1 67.7



#5
2-Fluorophenol
Concen: 18.574 ng
RT: 5.675 min Scan# 423
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

Tgt Ion:112 Resp: 293911
Ion Ratio Lower Upper
112 100
64 55.6 45.5 68.3
63 27.9 25.1 37.7

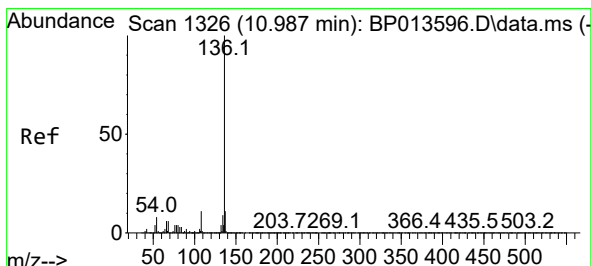
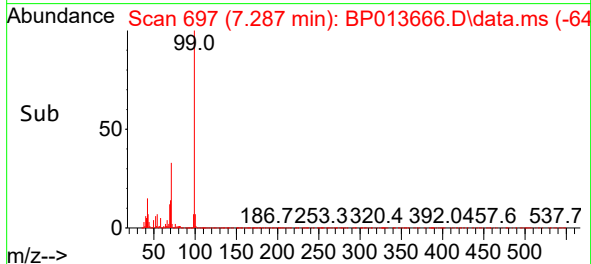
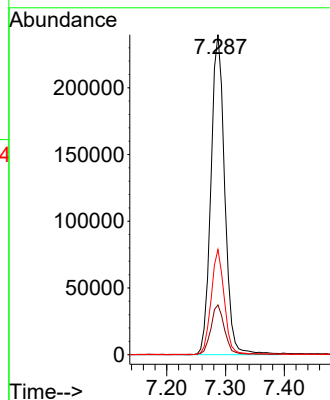
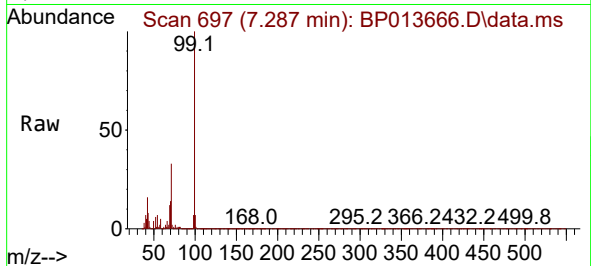




#7
Phenol-d6
Concen: 18.267 ng
RT: 7.287 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

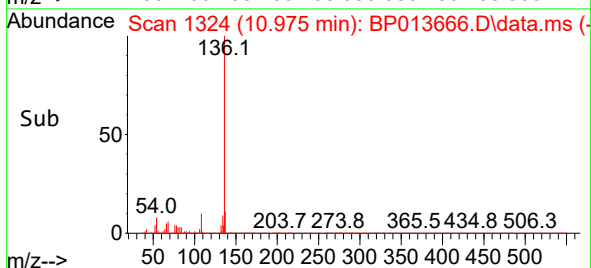
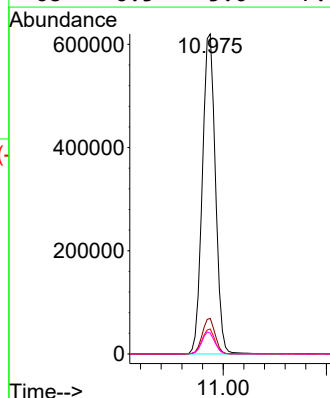
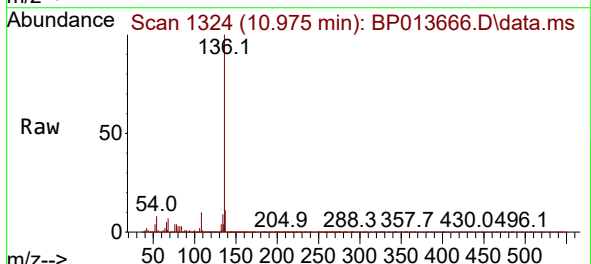
Instrument :
BNA_P
ClientSampleId :
EO-01-1-26-2023DL

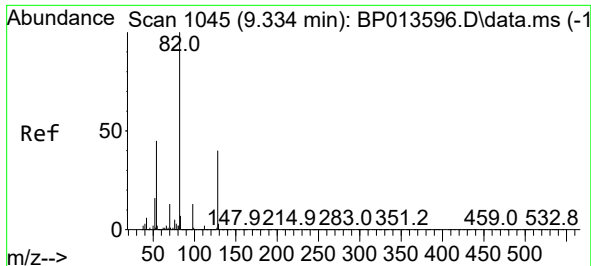
Tgt Ion: 99 Resp: 390457
Ion Ratio Lower Upper
99 100
42 15.5 13.4 20.2
71 32.9 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

Tgt Ion: 136 Resp: 1090080
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.8 6.1 9.1
68 6.5 5.0 7.4

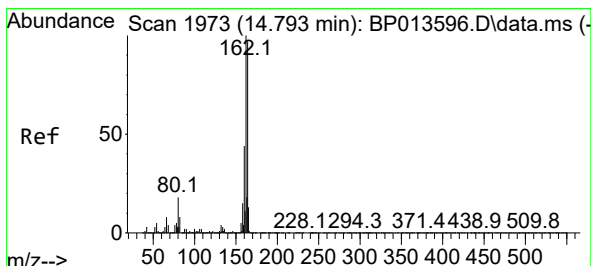
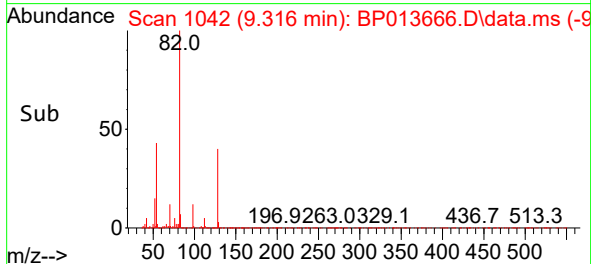
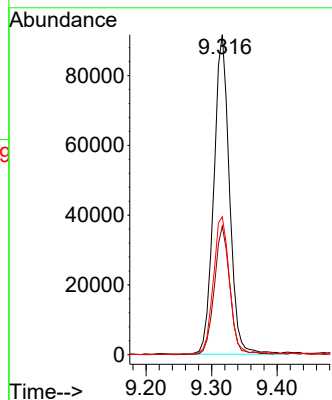
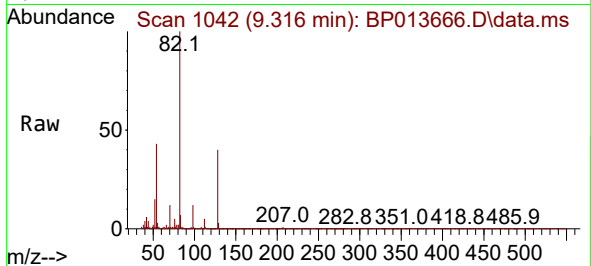




#23
Nitrobenzene-d5
Concen: 7.628 ng
RT: 9.316 min Scan# 1042
Delta R.T. -0.012 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

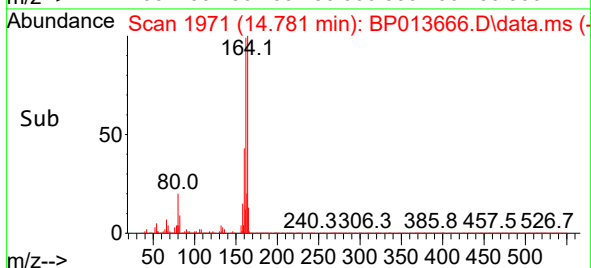
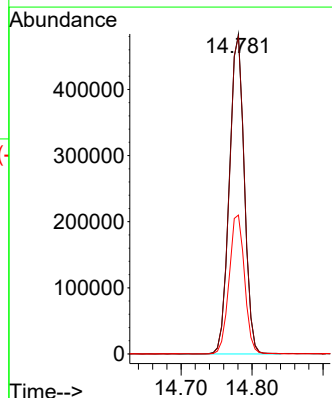
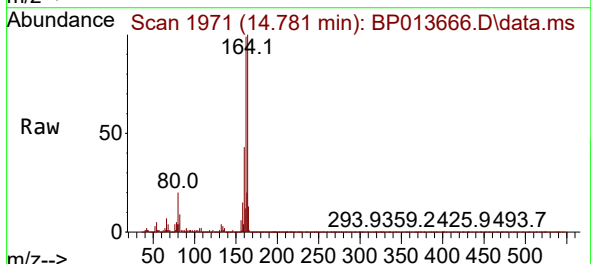
Instrument :
BNA_P
ClientSampleId :
EO-01-1-26-2023DL

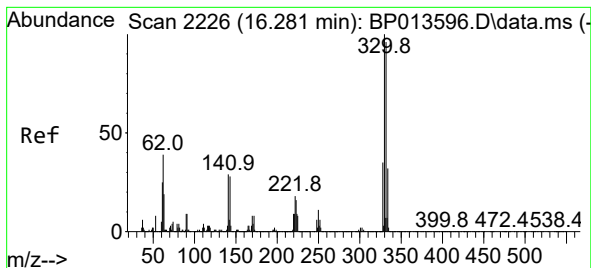
Tgt Ion: 82 Resp: 151328
Ion Ratio Lower Upper
82 100
128 40.1 31.8 47.8
54 43.1 36.2 54.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

Tgt Ion: 164 Resp: 700339
Ion Ratio Lower Upper
164 100
162 99.2 82.3 123.5
160 43.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 14.899 ng

RT: 16.263 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

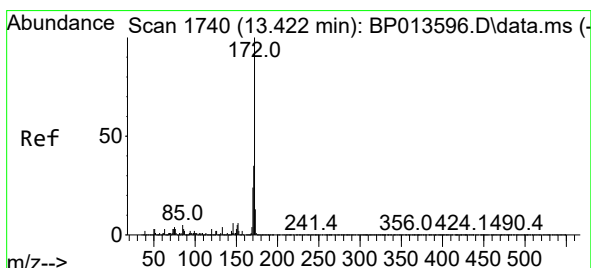
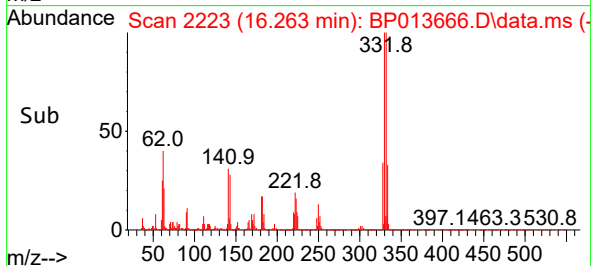
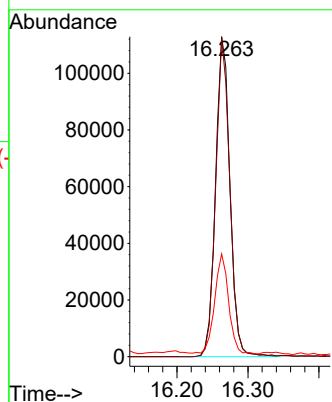
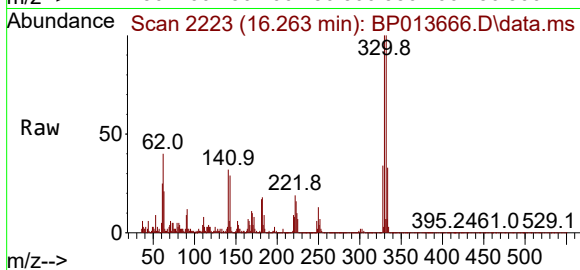
Tgt Ion:330 Resp: 158859

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.4

141 31.3 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 11.132 ng

RT: 13.404 min Scan# 1737

Delta R.T. -0.006 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

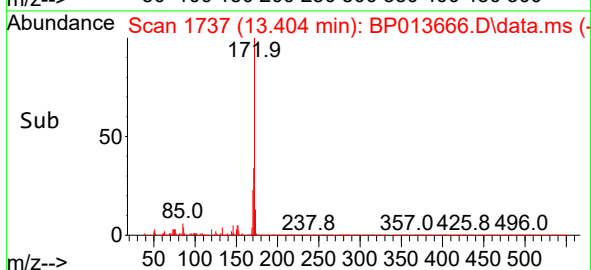
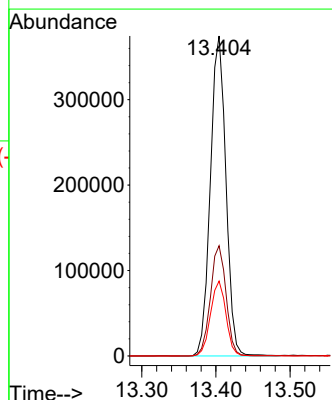
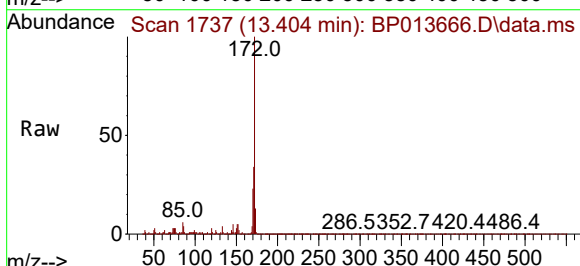
Tgt Ion:172 Resp: 545859

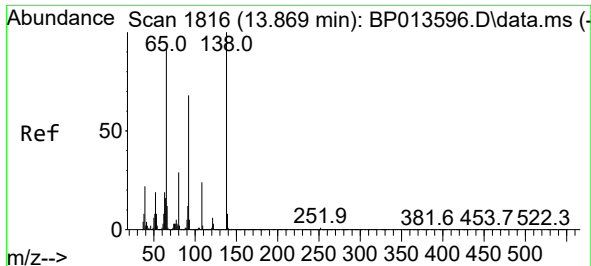
Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.4

170 23.4 19.1 28.7

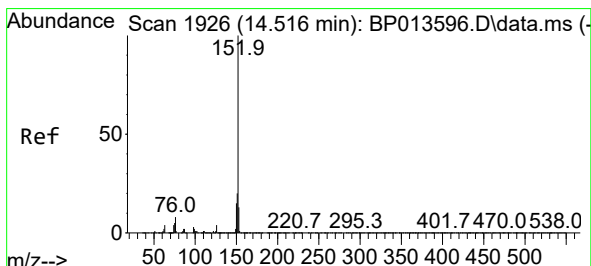
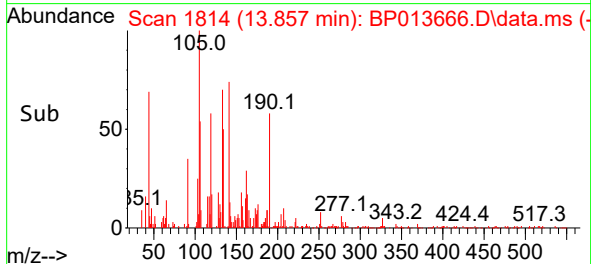
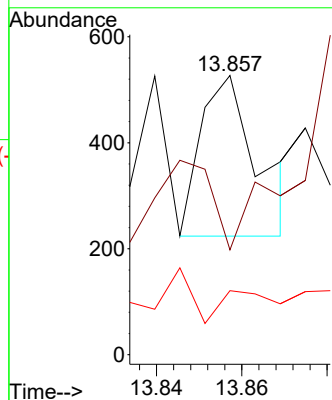
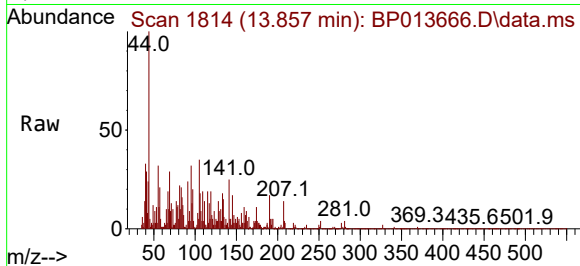




#48
2-Nitroaniline
Concen: 3.946 ng
RT: 13.857 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

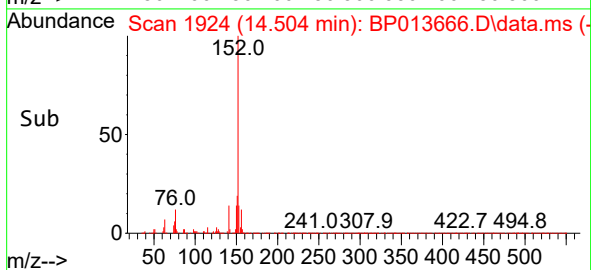
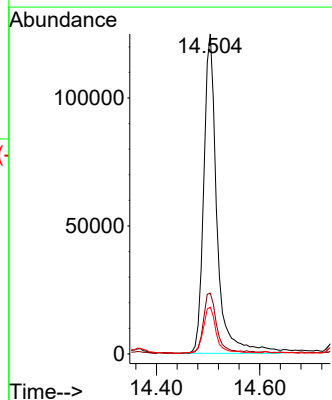
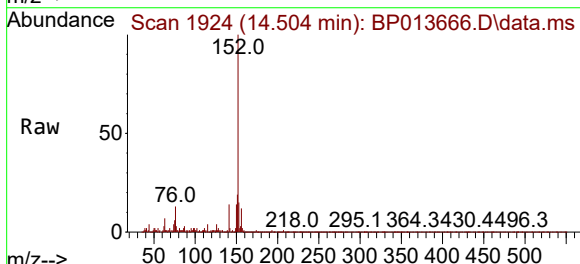
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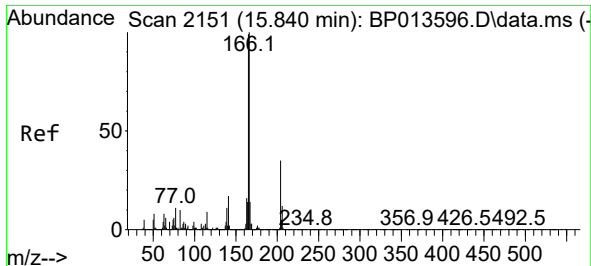
Tgt Ion: 65 Resp: 281
Ion Ratio Lower Upper
65 100
92 37.6 59.5 89.3#
138 23.0 87.1 130.7#



#49
Acenaphthylene
Concen: 3.370 ng
RT: 14.504 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

Tgt Ion: 152 Resp: 221352
Ion Ratio Lower Upper
152 100
151 19.0 16.0 24.0
153 14.6 10.6 16.0

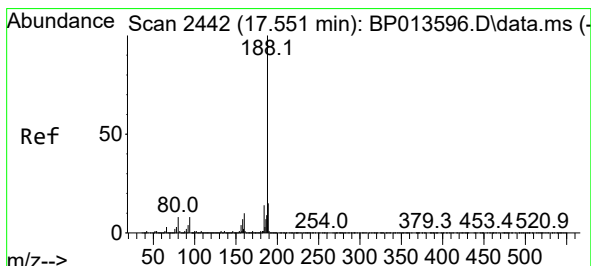
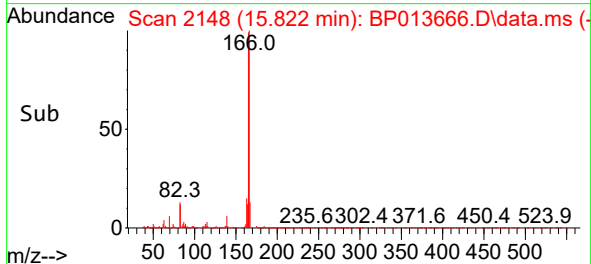
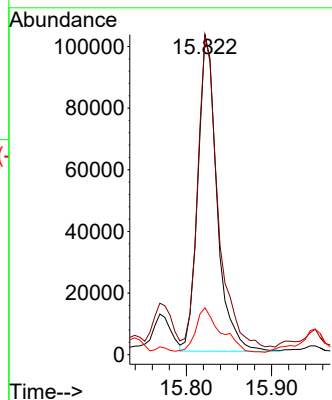
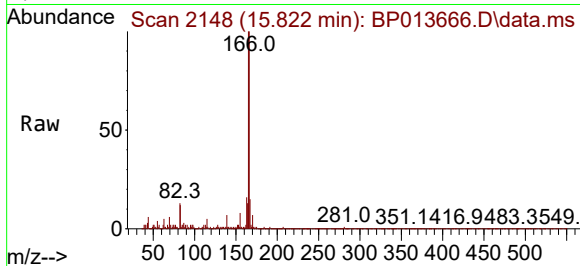




#58
Fluorene
Concen: 3.179 ng
RT: 15.822 min Scan# 2151
Delta R.T. -0.012 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

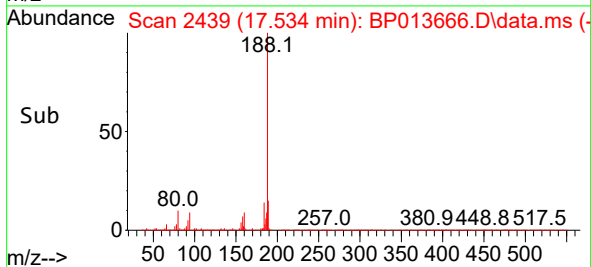
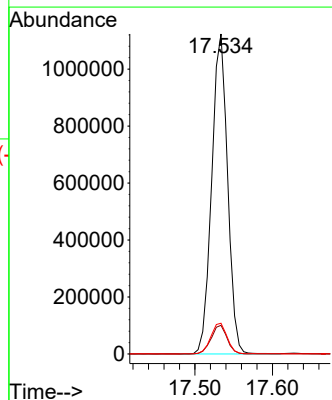
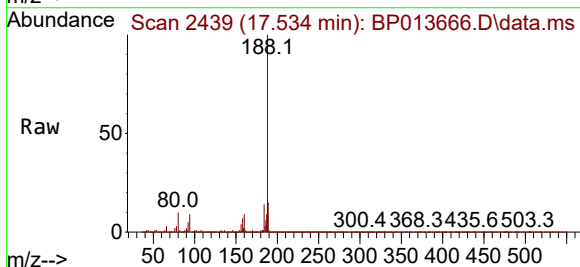
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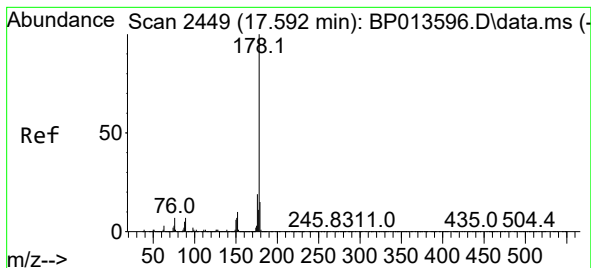
Tgt Ion:166 Resp: 160073
Ion Ratio Lower Upper
166 100
165 99.5 79.4 119.0
167 14.7 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.534 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

Tgt Ion:188 Resp: 1598423
Ion Ratio Lower Upper
188 100
94 9.0 6.1 9.1
80 9.6 6.6 10.0





#71

Phenanthrene

Concen: 24.110 ng

RT: 17.575 min Scan# 2446

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

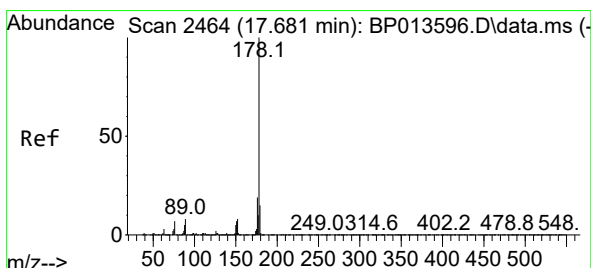
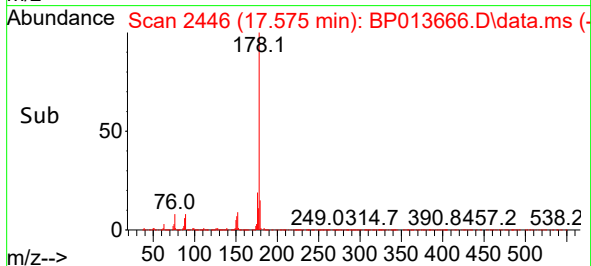
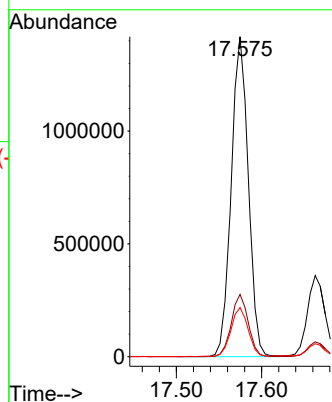
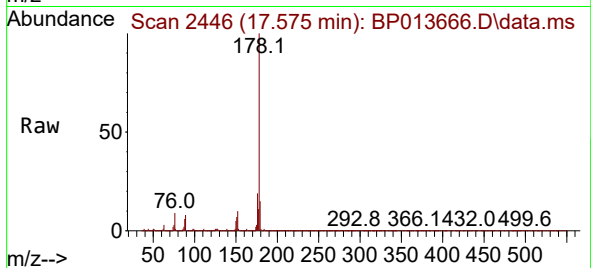
Tgt Ion:178 Resp: 1976497

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.4 12.2 18.4



#72

Anthracene

Concen: 6.058 ng

RT: 17.663 min Scan# 2461

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

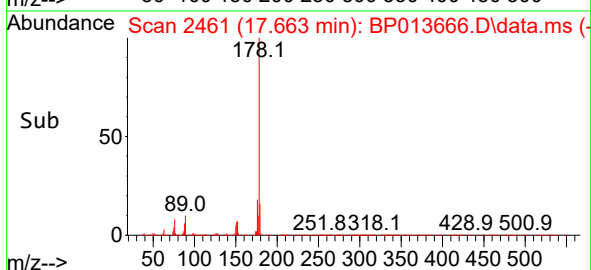
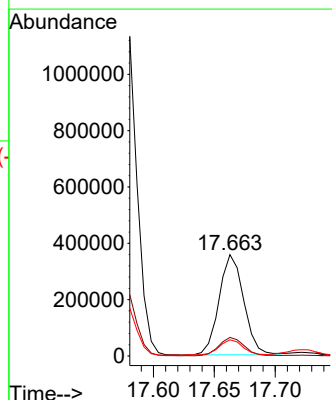
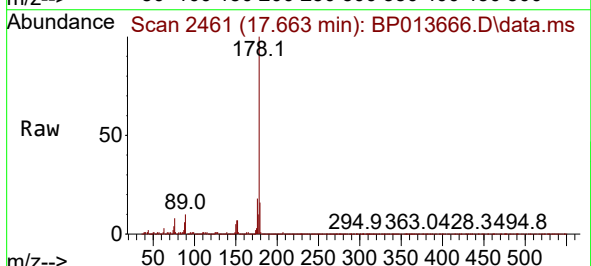
Tgt Ion:178 Resp: 501811

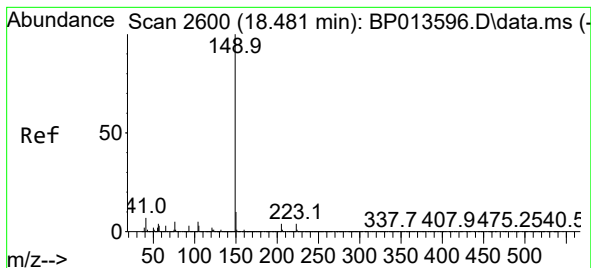
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

179 15.9 12.3 18.5





#74

Di-n-butylphthalate

Concen: 3.599 ng

RT: 18.457 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP013666.D

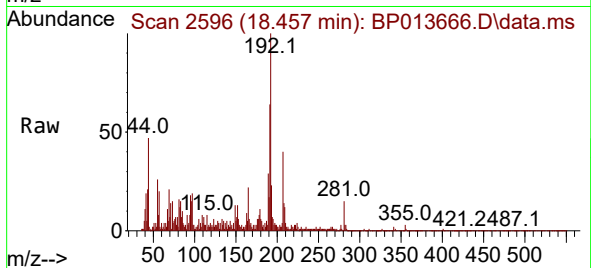
Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL



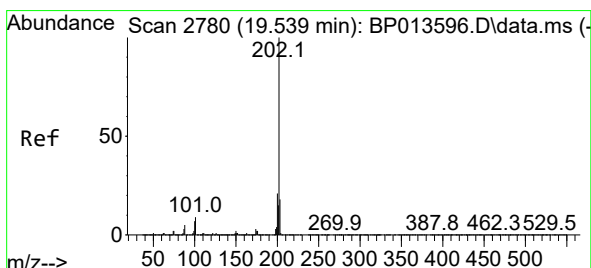
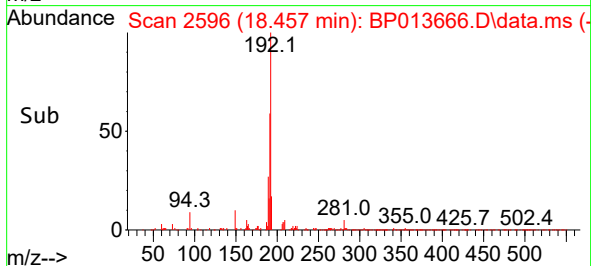
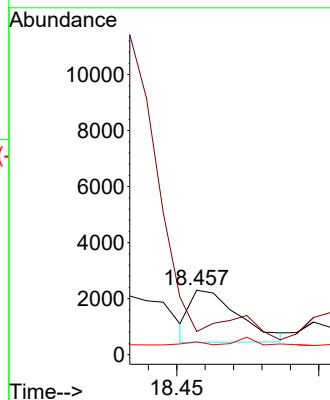
Tgt Ion:149 Resp: 2201

Ion Ratio Lower Upper

149 100

150 36.0 7.6 11.4#

104 19.8 4.4 6.6#



#75

Fluoranthene

Concen: 13.224 ng

RT: 19.522 min Scan# 2777

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

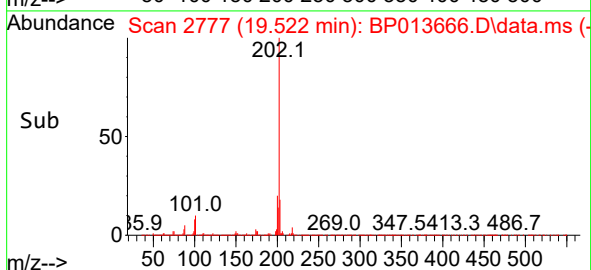
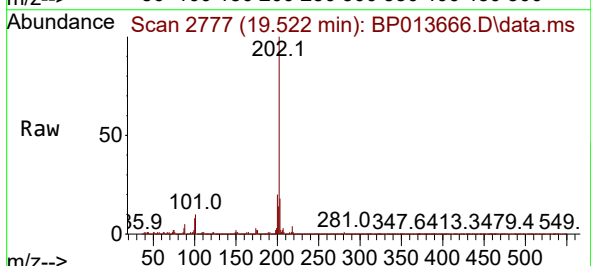
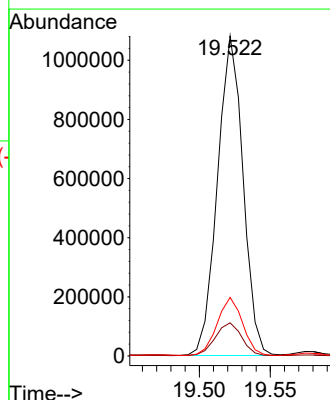
Tgt Ion:202 Resp: 1352166

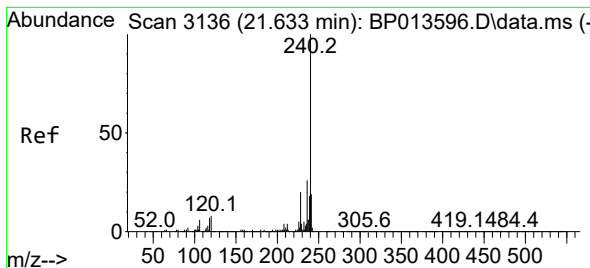
Ion Ratio Lower Upper

202 100

101 10.4 0.0 28.9

203 18.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 3136

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

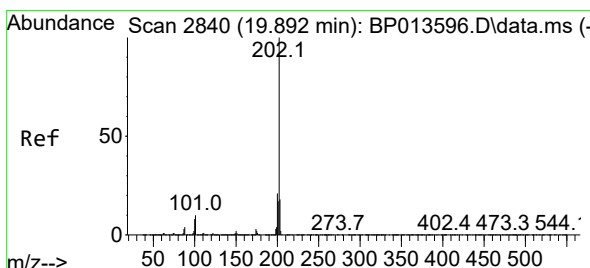
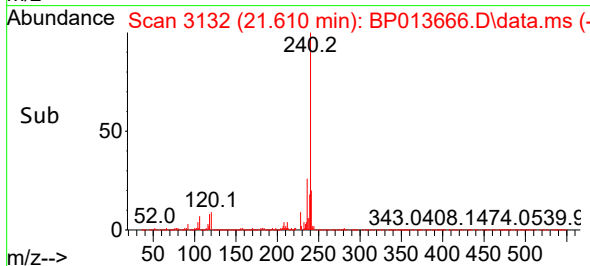
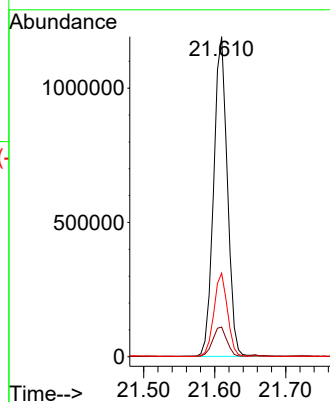
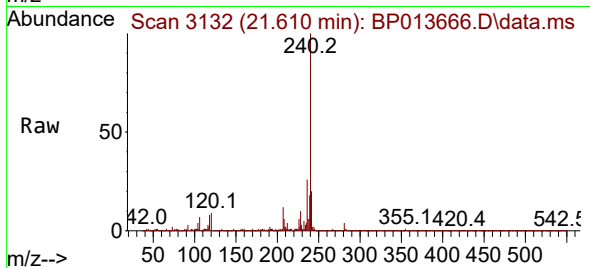
Tgt Ion:240 Resp: 1596794

Ion Ratio Lower Upper

240 100

120 9.3 6.7 10.1

236 26.1 20.7 31.1



#78

Pyrene

Concen: 18.551 ng

RT: 19.875 min Scan# 2837

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

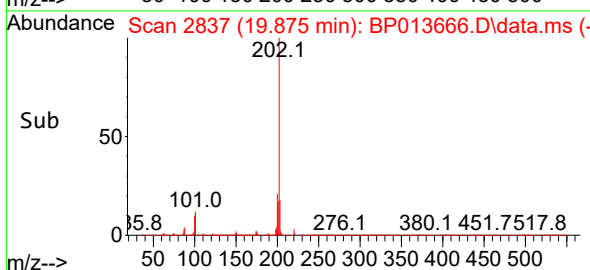
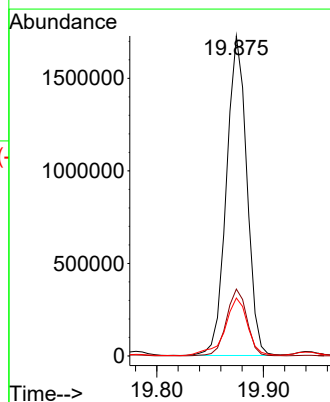
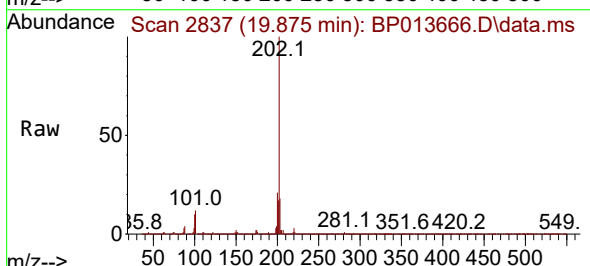
Tgt Ion:202 Resp: 2292538

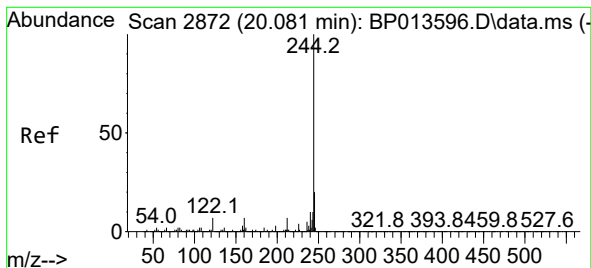
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

203 18.1 14.2 21.2





#79

Terphenyl-d14

Concen: 10.105 ng

RT: 20.057 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

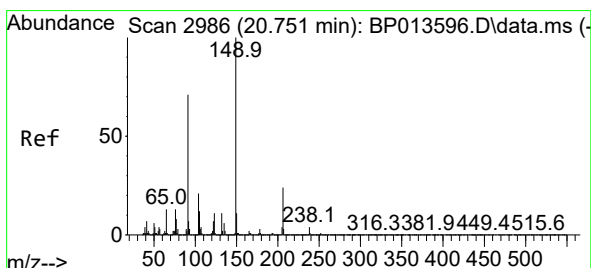
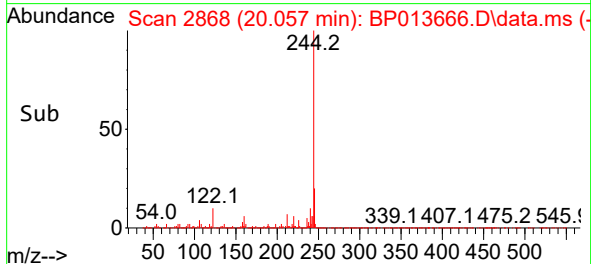
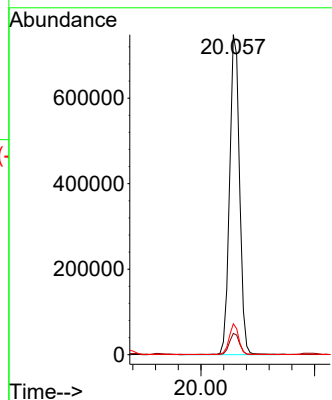
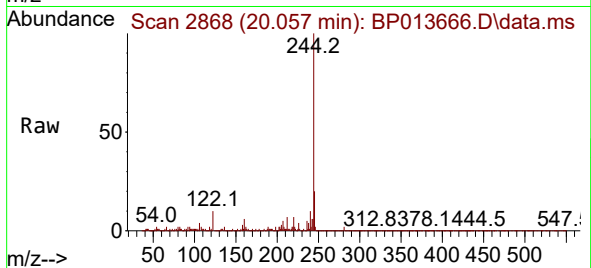
Tgt Ion:244 Resp: 914363

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 9.7 5.3 7.9#



#80

Butylbenzylphthalate

Concen: 5.473 ng

RT: 20.733 min Scan# 2983

Delta R.T. -0.006 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

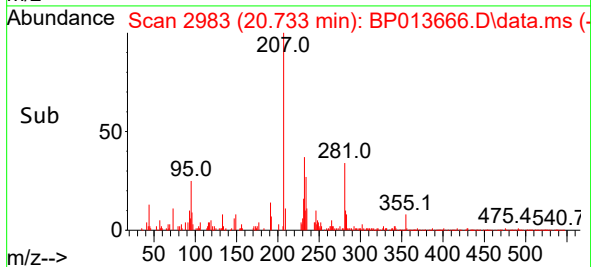
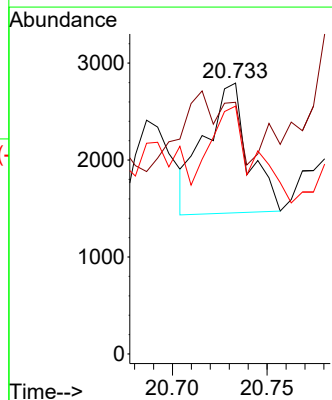
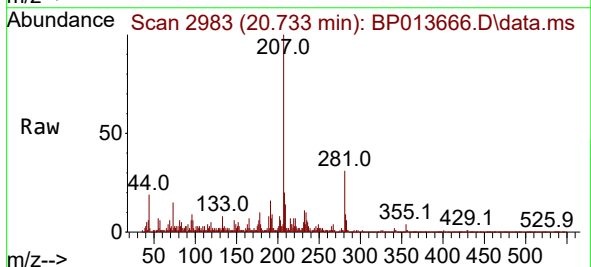
Tgt Ion:149 Resp: 2142

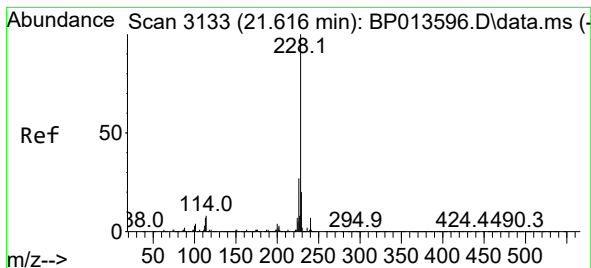
Ion Ratio Lower Upper

149 100

91 92.9 57.0 85.6#

206 91.4 19.0 28.6#





#81

Benzo(a)anthracene

Concen: 8.629 ng

RT: 21.592 min Scan# 3116

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

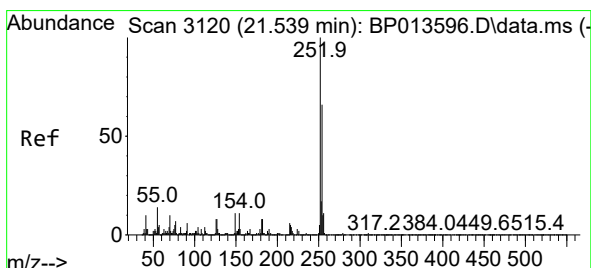
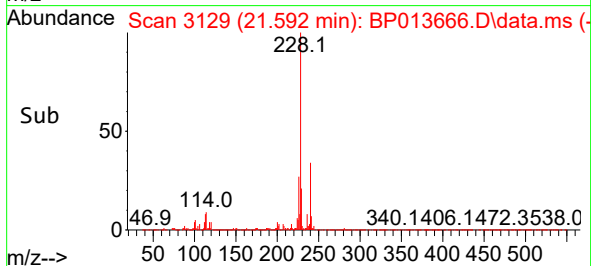
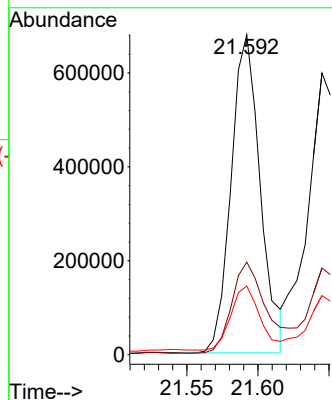
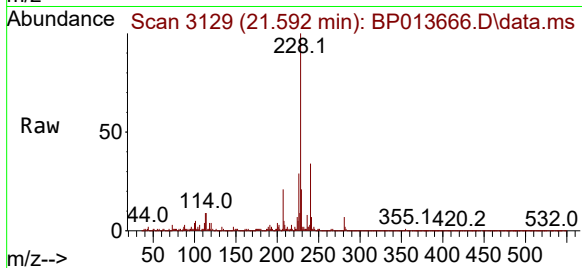
Tgt Ion:228 Resp: 970256

Ion Ratio Lower Upper

228 100

226 29.0 22.0 33.0

229 21.5 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 6.373 ng

RT: 21.516 min Scan# 3116

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

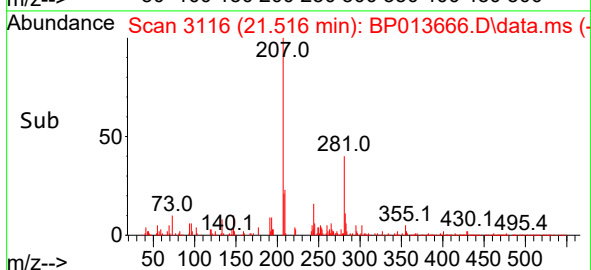
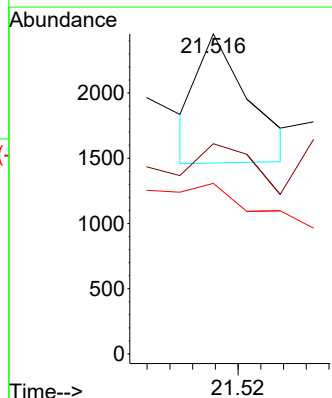
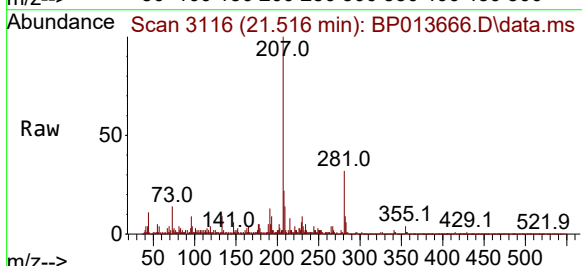
Tgt Ion:252 Resp: 613

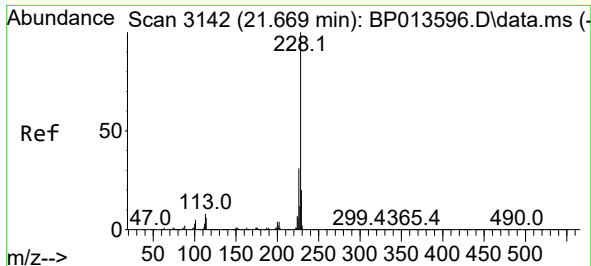
Ion Ratio Lower Upper

252 100

254 65.7 52.3 78.5

126 53.3 6.2 9.4#





#83

Chrysene

Concen: 8.440 ng

RT: 21.645 min Scan# 3112

Delta R.T. -0.018 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

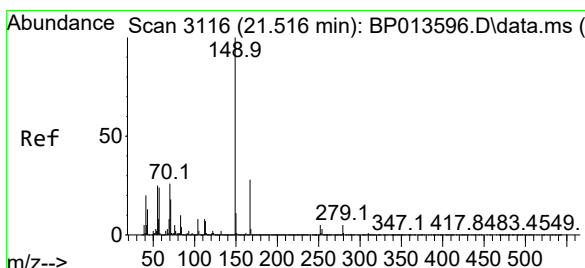
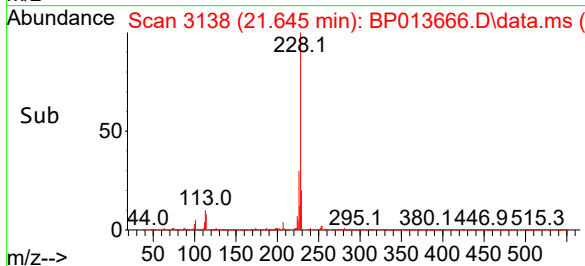
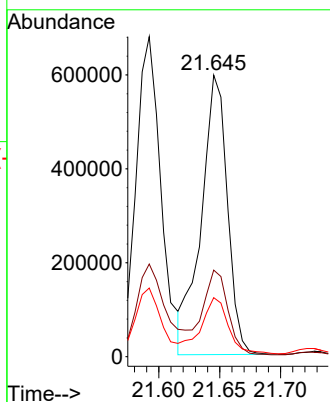
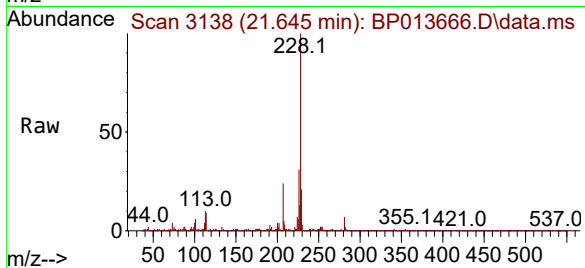
Tgt Ion:228 Resp: 891668

Ion Ratio Lower Upper

228 100

226 30.7 24.8 37.2

229 21.0 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.587 ng

RT: 21.492 min Scan# 3112

Delta R.T. -0.012 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

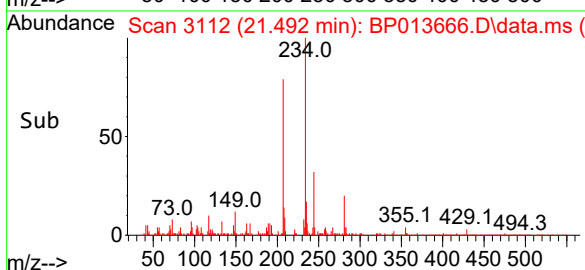
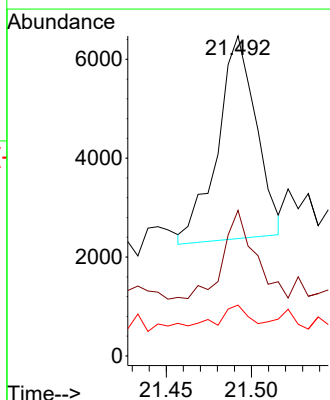
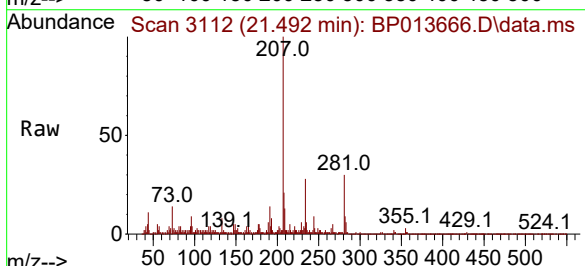
Tgt Ion:149 Resp: 6487

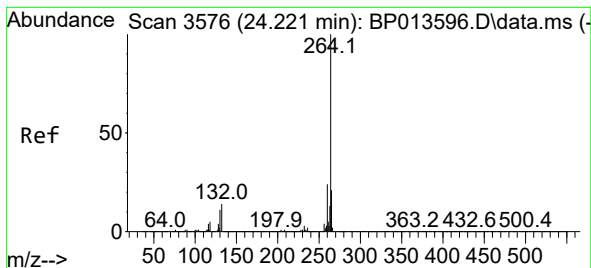
Ion Ratio Lower Upper

149 100

167 45.5 22.2 33.4#

279 15.9 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.186 min Scan# 3

Delta R.T. -0.018 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

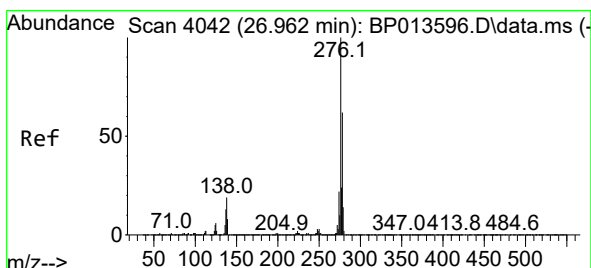
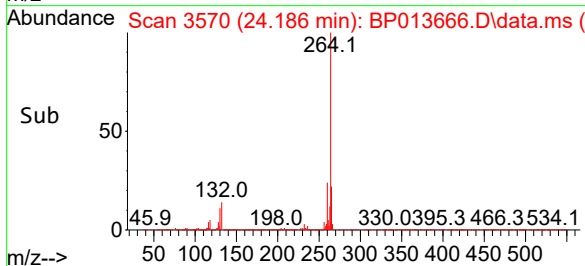
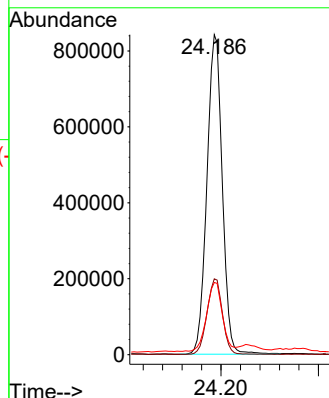
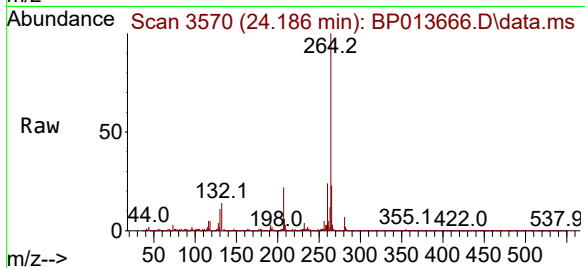
Tgt Ion:264 Resp: 1839043

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.5 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.398 ng

RT: 26.898 min Scan# 4031

Delta R.T. -0.047 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

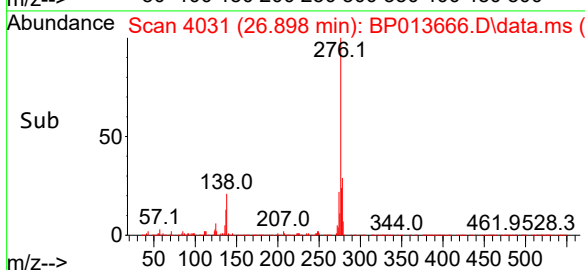
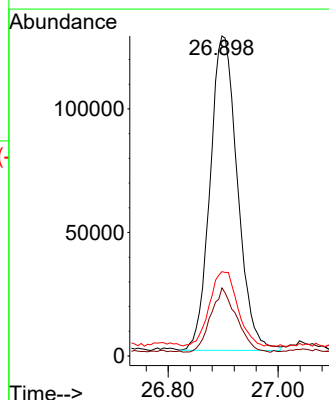
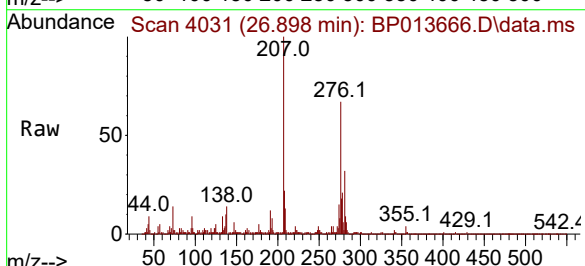
Tgt Ion:276 Resp: 439347

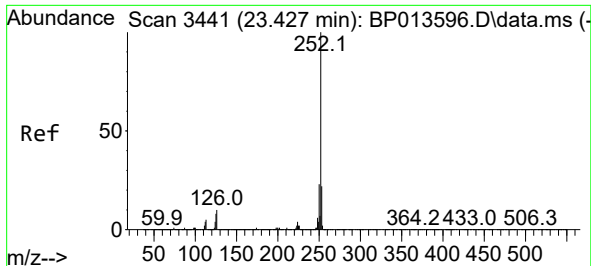
Ion Ratio Lower Upper

276 100

138 19.3 16.4 24.6

277 24.4 20.2 30.2

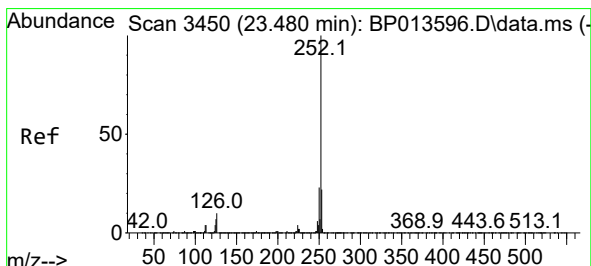
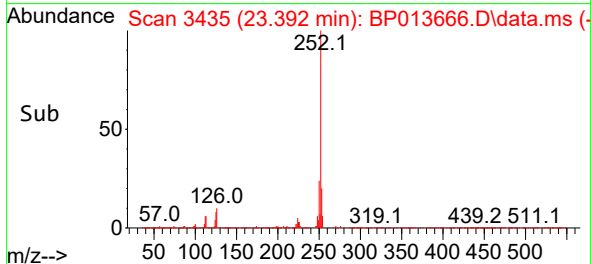
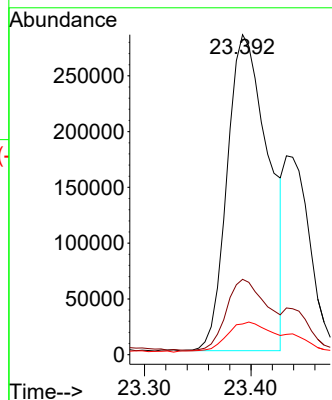
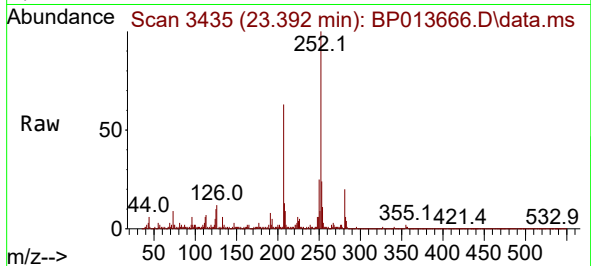




#88
Benzo(b)fluoranthene
Concen: 6.459 ng
RT: 23.392 min Scan# 3441
Delta R.T. -0.018 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

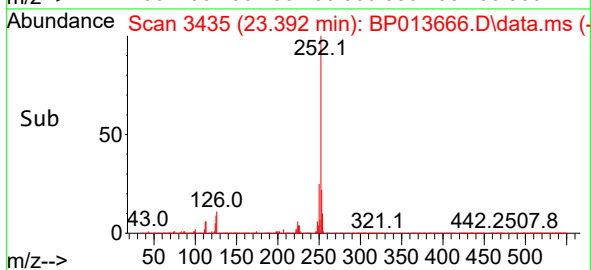
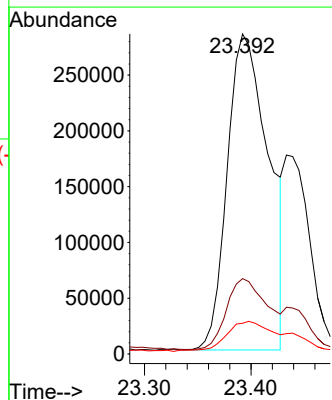
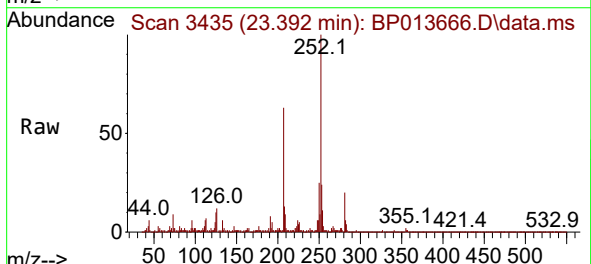
Instrument :
BNA_P
ClientSampleId :
EO-01-1-26-2023DL

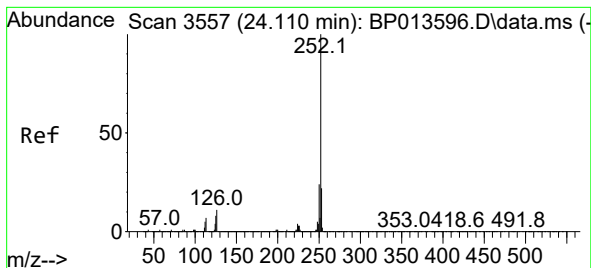
Tgt Ion:252 Resp: 762603
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 9.6 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 6.506 ng
RT: 23.392 min Scan# 3435
Delta R.T. -0.071 min
Lab File: BP013666.D
Acq: 31 Jan 2023 03:09

Tgt Ion:252 Resp: 762603
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 9.6 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 6.344 ng

RT: 24.068 min Scan# 3

Delta R.T. -0.024 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Instrument :

BNA_P

ClientSampleId :

EO-01-1-26-2023DL

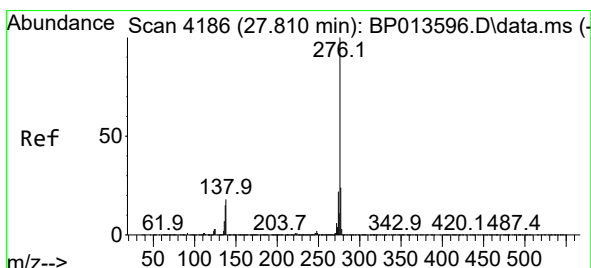
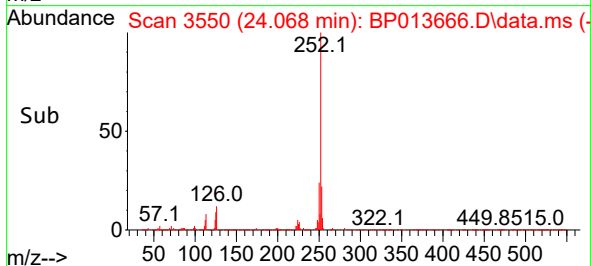
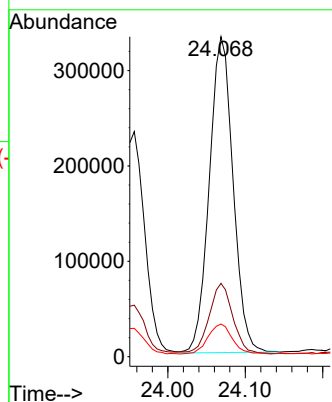
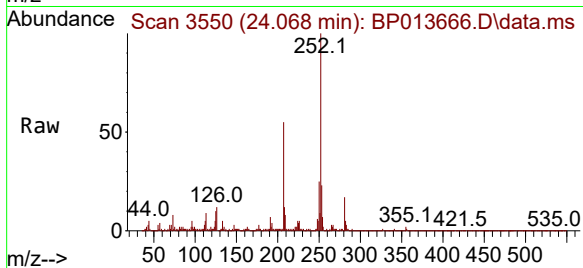
Tgt Ion:252 Resp: 705016

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 10.2 6.8 10.2



#92

Benzo(g,h,i)perylene

Concen: 5.189 ng

RT: 27.739 min Scan# 4174

Delta R.T. -0.047 min

Lab File: BP013666.D

Acq: 31 Jan 2023 03:09

Tgt Ion:276 Resp: 549626

Ion Ratio Lower Upper

276 100

277 26.9 18.9 28.3

138 19.3 14.3 21.5

