

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
 Data File : BP019617.D
 Acq On : 08 Feb 2024 20:01
 Operator : MA/JU
 Sample : P1375-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1DL

Quant Time: Feb 09 00:43:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

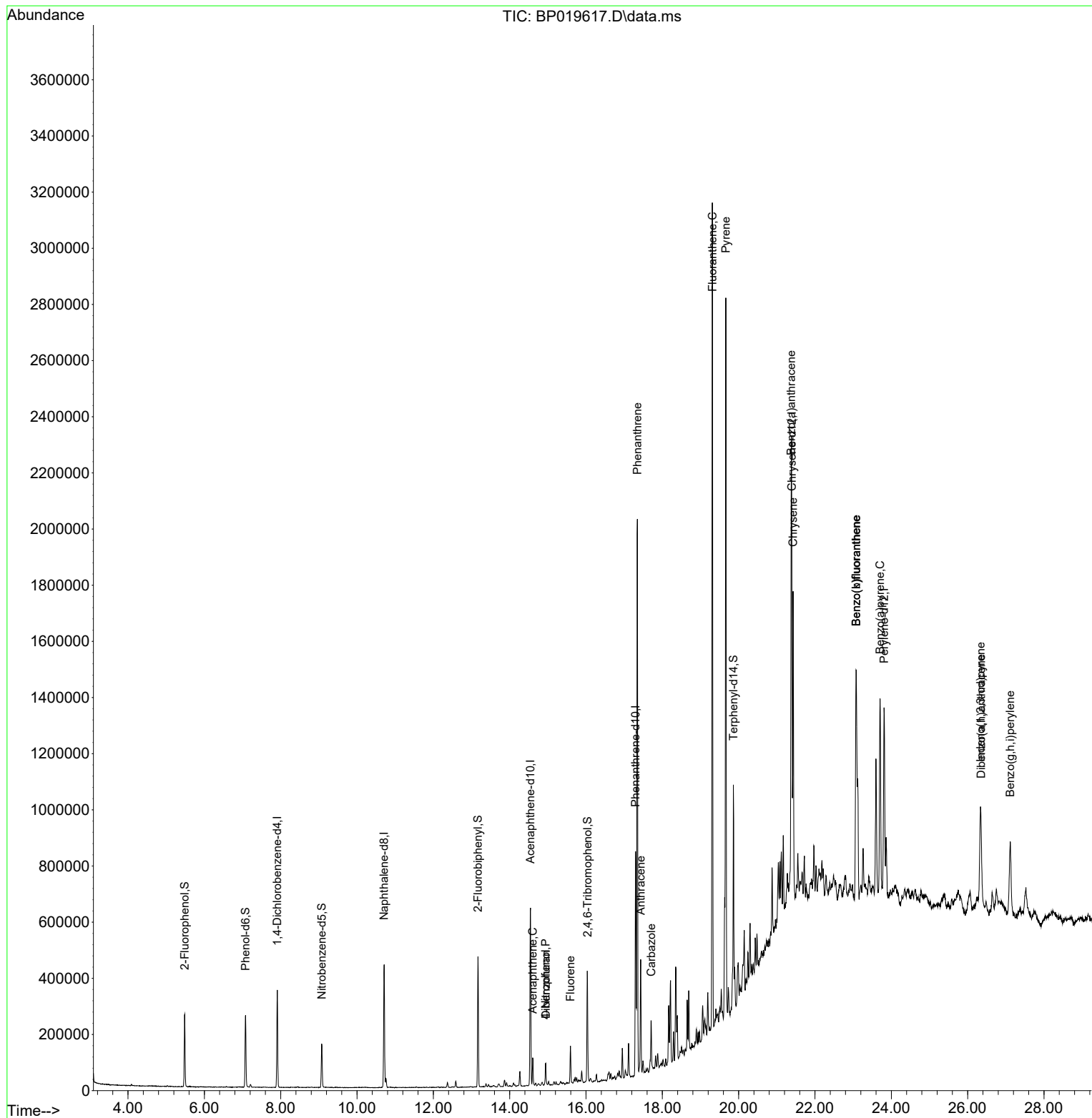
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	93420	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	357342	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	232625	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	503388	20.000	ng	0.00
76) Chrysene-d12	21.392	240	461425	20.000	ng	0.00
86) Perylene-d12	23.810	264	556001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	113577	19.597	ng	0.00
7) Phenol-d6	7.081	99	150685	19.283	ng	0.00
23) Nitrobenzene-d5	9.075	82	96207	11.666	ng	-0.01
42) 2,4,6-Tribromophenol	16.039	330	72273	21.279	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	240533	12.783	ng	-0.01
79) Terphenyl-d14	19.863	244	381138	13.584	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	14.604	154	36105	2.721	ng	97
55) Dibenzofuran	14.945	168	45134	2.088	ng	96
56) 4-Nitrophenol	14.939	139	17938	6.087	ng	# 1
58) Fluorene	15.592	166	57915	3.364	ng	99
71) Phenanthrene	17.345	178	1238611	46.755	ng	99
72) Anthracene	17.433	178	261928	9.911	ng	98
73) Carbazole	17.710	167	112500	4.686	ng	99
75) Fluoranthene	19.310	202	1795978	55.496	ng	100
78) Pyrene	19.663	202	1578605	48.475	ng	99
81) Benzo(a)anthracene	21.374	228	736765	22.683	ng	98
83) Chrysene	21.427	228	668082	21.664	ng	97
87) Indeno(1,2,3-cd)pyrene	26.339	276	419226	9.850	ng	# 96
88) Benzo(b)fluoranthene	23.080	252	861150	24.575	ng	# 98
89) Benzo(k)fluoranthene	23.080	252	861150	25.726	ng	# 98
90) Benzo(a)pyrene	23.704	252	634044	20.335	ng	96
91) Dibenzo(a,h)anthracene	26.351	278	104313	2.980	ng	# 86
92) Benzo(g,h,i)perylene	27.115	276	399523	11.251	ng	99

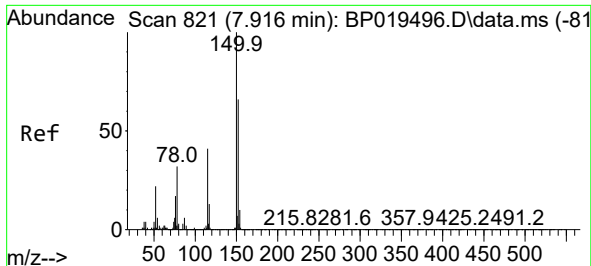
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
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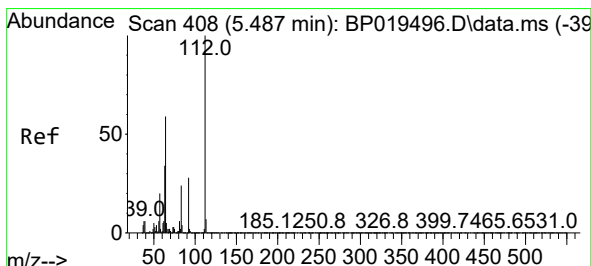
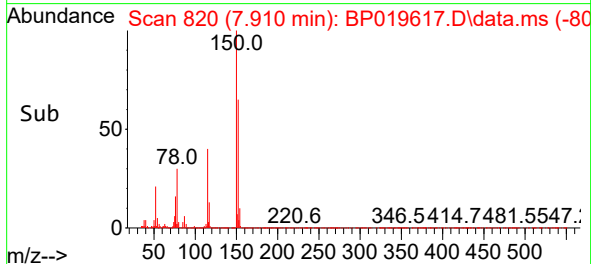
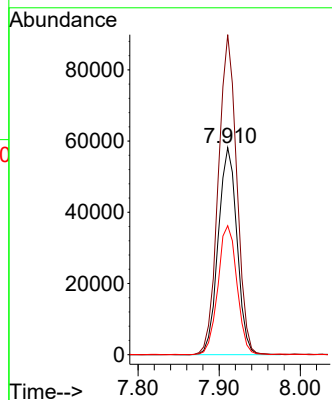
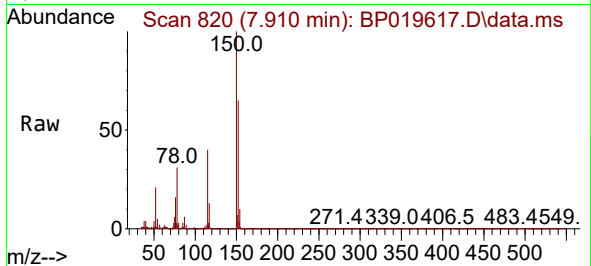




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

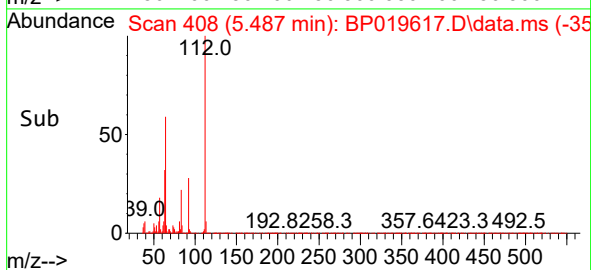
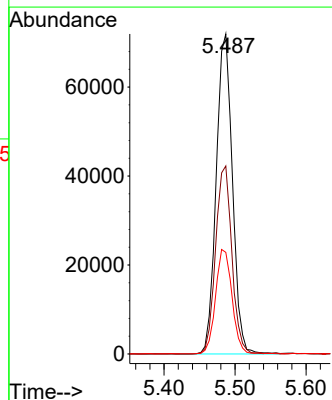
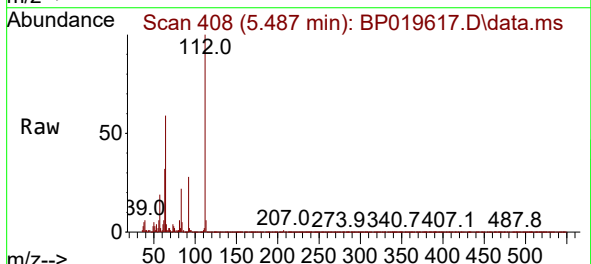
Instrument :
BNA_P
ClientSampleId :
TP-1DL

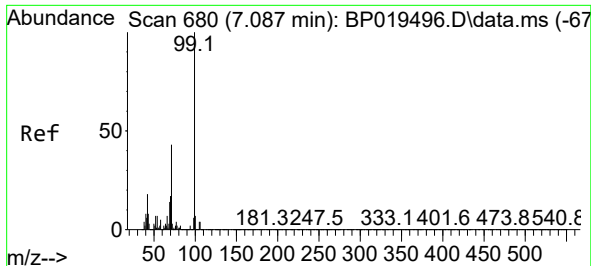
Tgt Ion:152 Resp: 93420
Ion Ratio Lower Upper
152 100
150 154.6 121.8 182.8
115 62.3 49.9 74.9



#5
2-Fluorophenol
Concen: 19.597 ng
RT: 5.487 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Tgt Ion:112 Resp: 113577
Ion Ratio Lower Upper
112 100
64 58.8 47.4 71.0
63 31.7 27.0 40.6

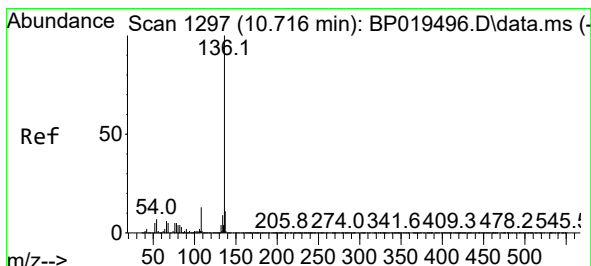
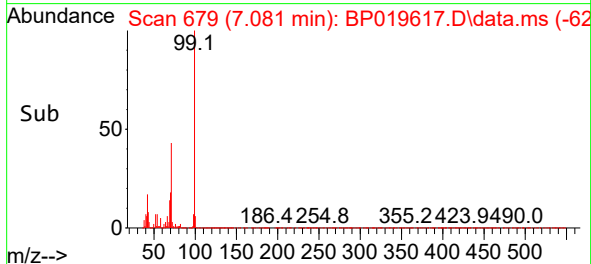
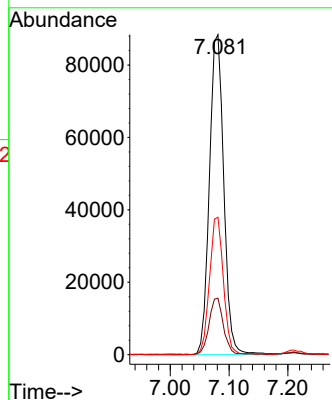
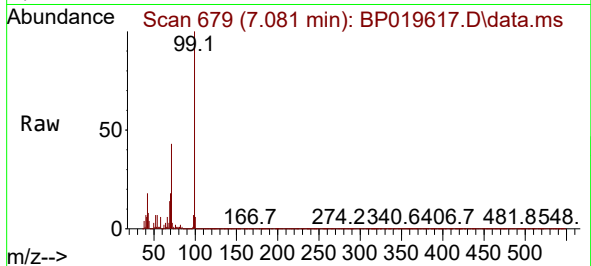




#7
Phenol-d6
Concen: 19.283 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

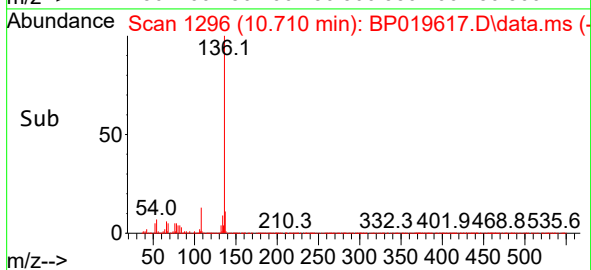
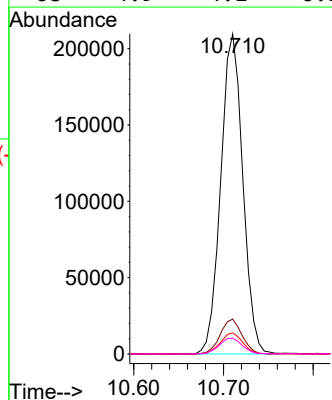
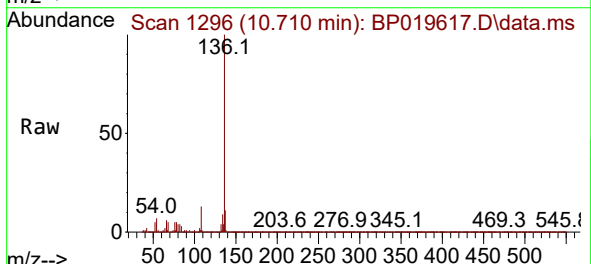
Instrument :
BNA_P
ClientSampleId :
TP-1DL

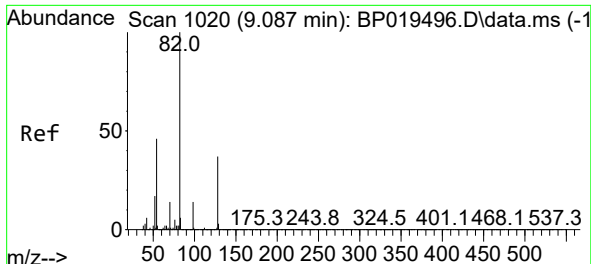
Tgt Ion: 99 Resp: 150685
Ion Ratio Lower Upper
99 100
42 17.6 14.7 22.1
71 43.0 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Tgt Ion: 136 Resp: 357342
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.6 5.3 7.9
68 4.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 11.666 ng

RT: 9.075 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

TP-1DL

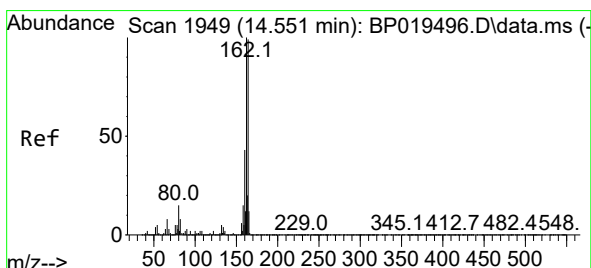
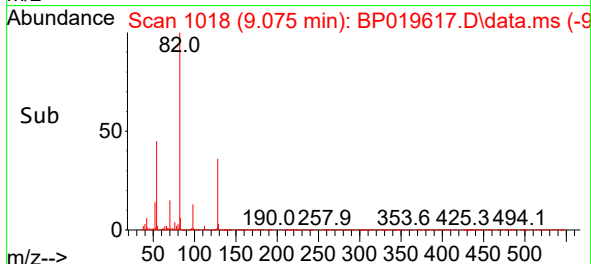
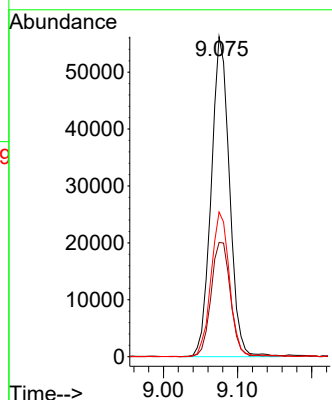
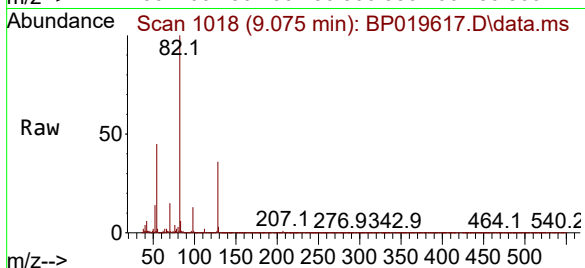
Tgt Ion: 82 Resp: 96207

Ion Ratio Lower Upper

82 100

128 35.7 29.7 44.5

54 45.2 36.8 55.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1948

Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

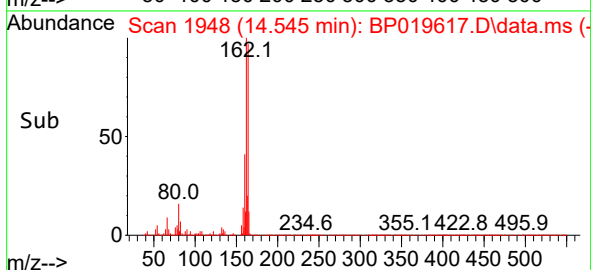
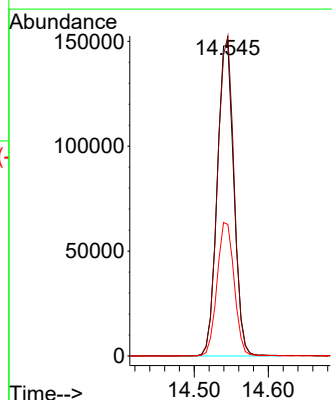
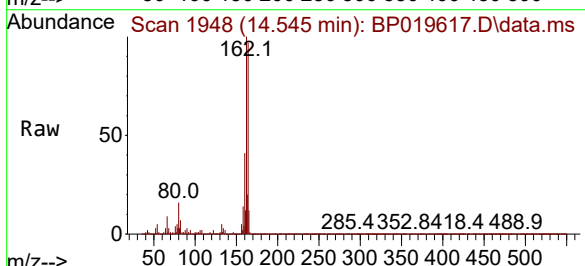
Tgt Ion: 164 Resp: 232625

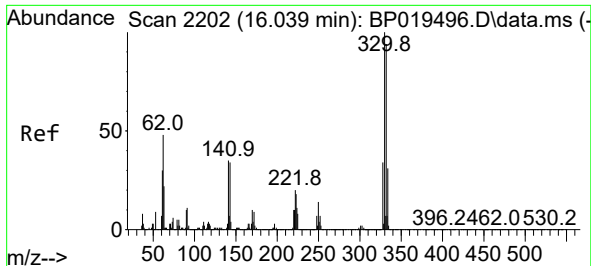
Ion Ratio Lower Upper

164 100

162 103.2 81.2 121.8

160 42.4 35.1 52.7

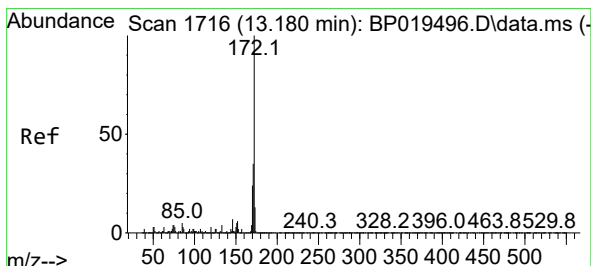
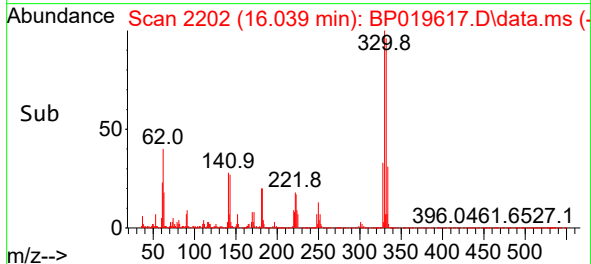
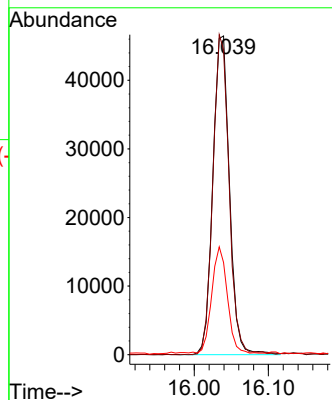
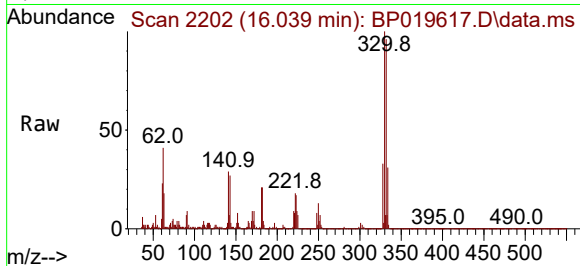




#42
2,4,6-Tribromophenol
Concen: 21.279 ng
RT: 16.039 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

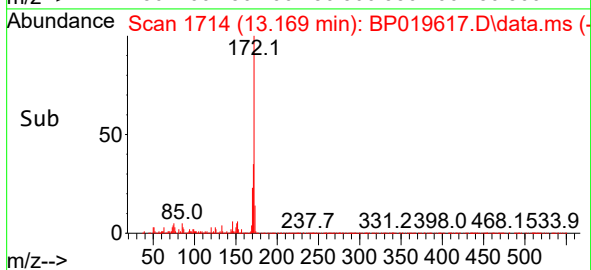
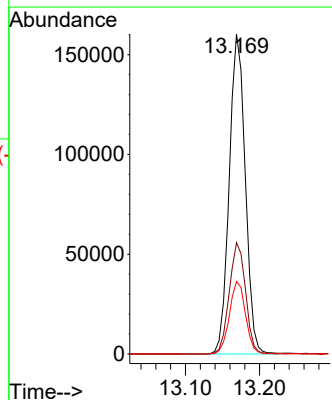
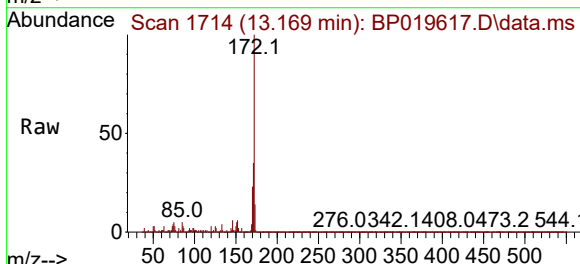
Instrument :
BNA_P
ClientSampleId :
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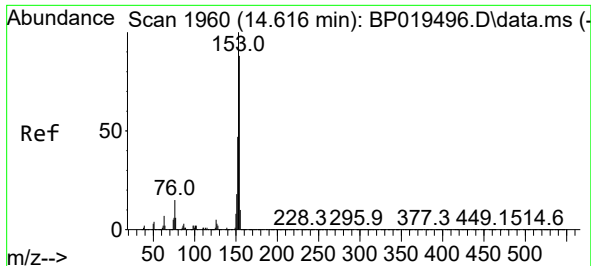
Tgt Ion: 330 Resp: 72273
Ion Ratio Lower Upper
330 100
332 97.8 77.2 115.8
141 31.1 27.0 40.4



#45
2-Fluorobiphenyl
Concen: 12.783 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Tgt Ion: 172 Resp: 240533
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 22.7 18.9 28.3

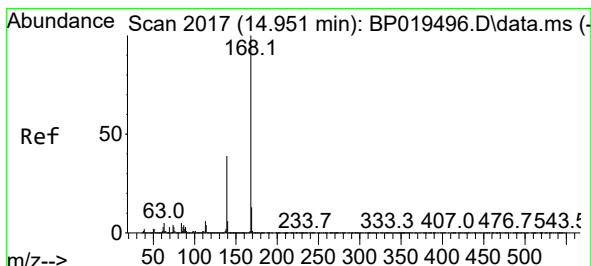
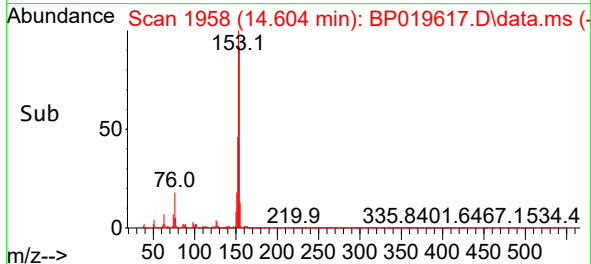
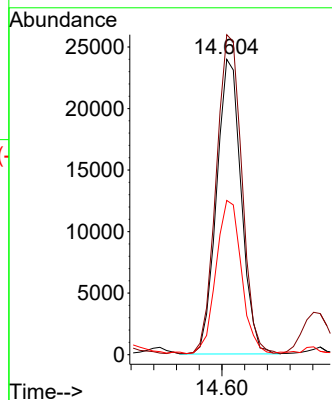
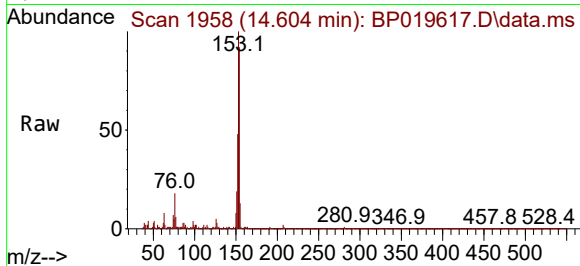




#52
Acenaphthene
Concen: 2.721 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.012 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

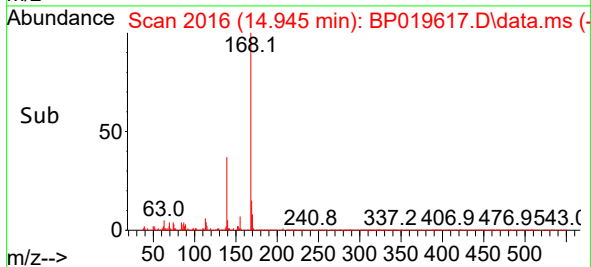
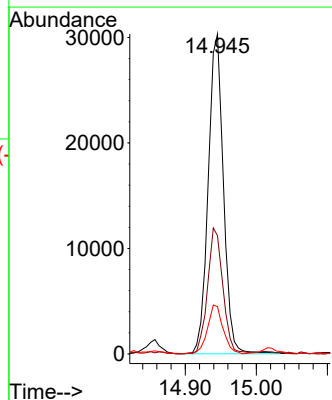
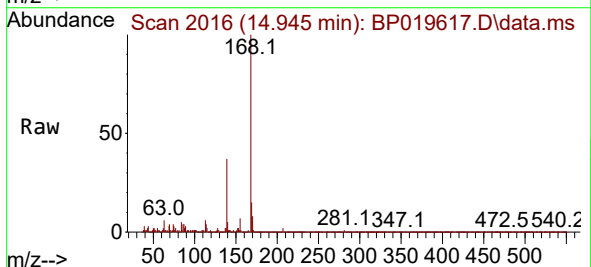
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ClientSampleId :
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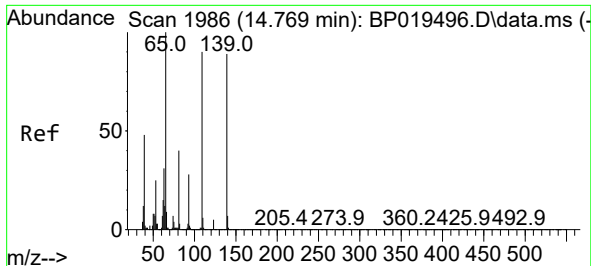
Tgt Ion:154 Resp: 36105
Ion Ratio Lower Upper
154 100
153 108.3 90.5 135.7
152 52.2 42.1 63.1



#55
Dibenzofuran
Concen: 2.088 ng
RT: 14.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Tgt Ion:168 Resp: 45134
Ion Ratio Lower Upper
168 100
139 36.9 31.5 47.3
169 14.8 10.3 15.5

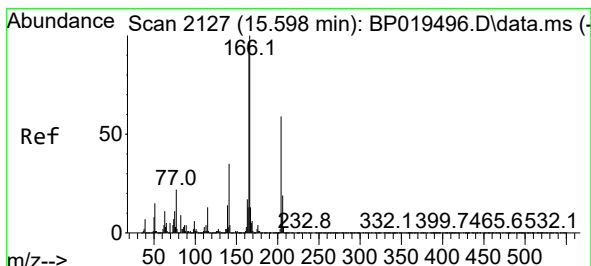
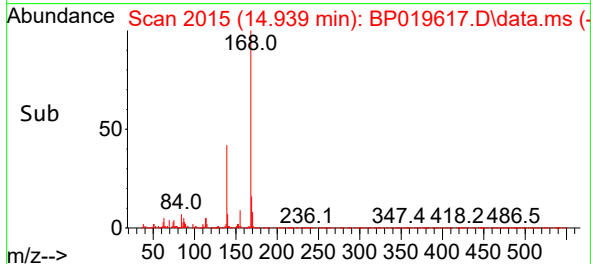
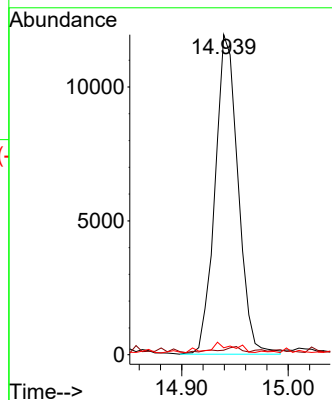
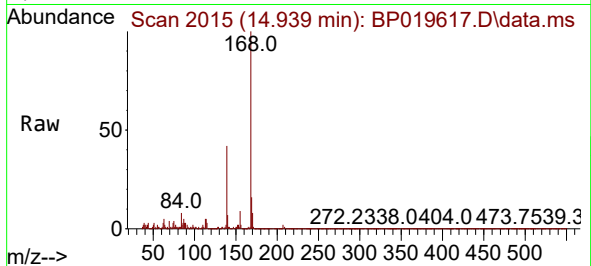




#56
4-Nitrophenol
Concen: 6.087 ng
RT: 14.939 min Scan# 2015
Delta R.T. 0.171 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

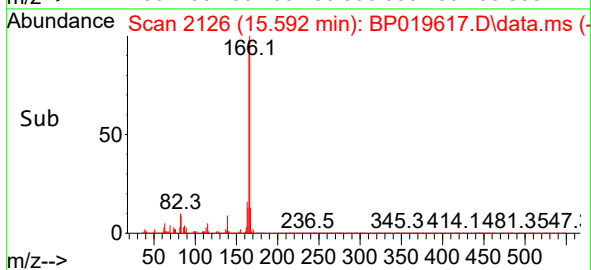
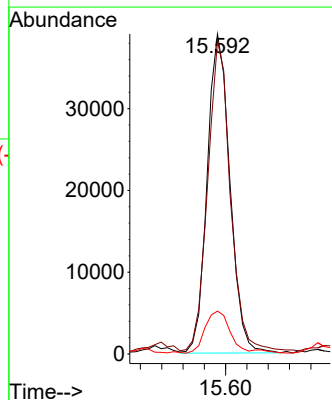
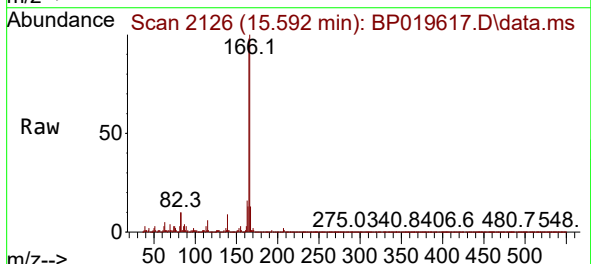
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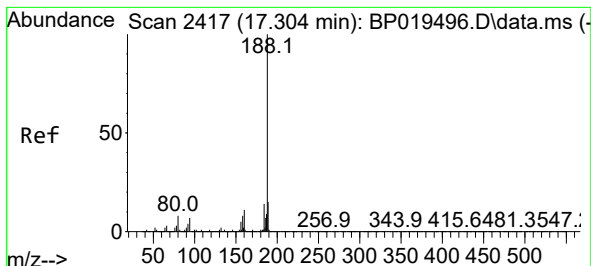
Tgt Ion:139 Resp: 17938
Ion Ratio Lower Upper
139 100
109 1.4 82.0 122.0#
65 2.2 92.9 132.9#



#58
Fluorene
Concen: 3.364 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Tgt Ion:166 Resp: 57915
Ion Ratio Lower Upper
166 100
165 97.9 77.8 116.8
167 13.4 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

TP-1DL

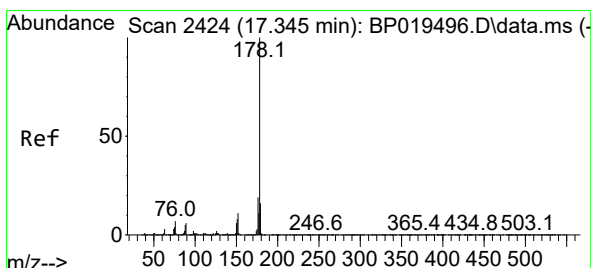
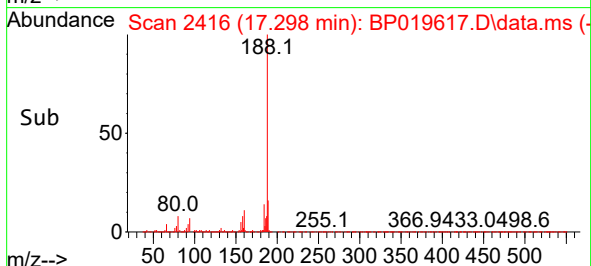
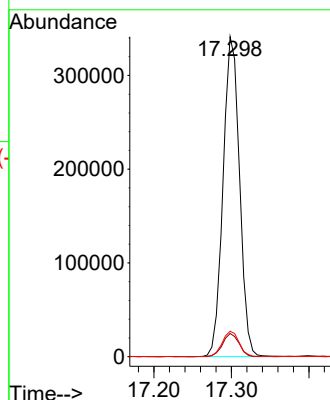
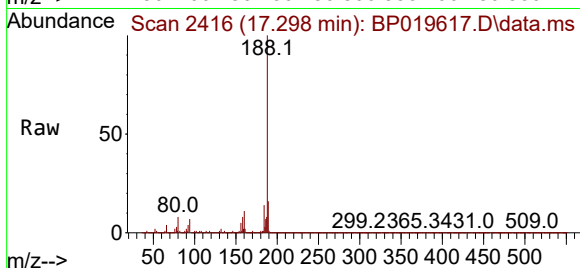
Tgt Ion:188 Resp: 503388

Ion Ratio Lower Upper

188 100

94 7.2 5.4 8.2

80 8.0 6.3 9.5



#71

Phenanthrene

Concen: 46.755 ng

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

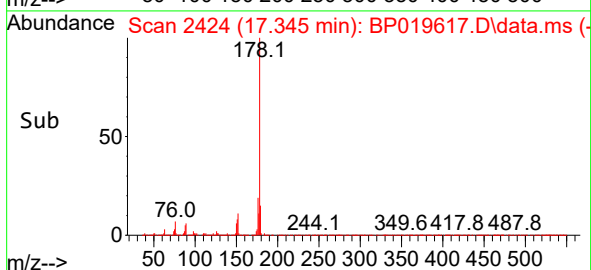
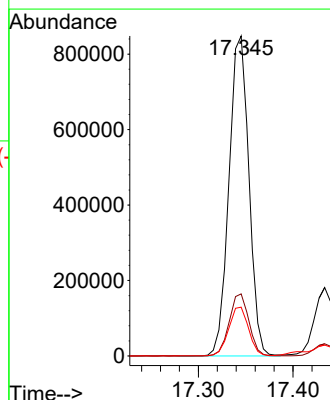
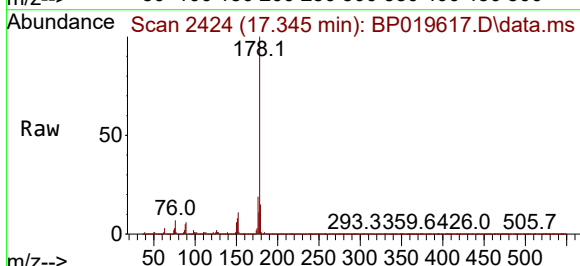
Tgt Ion:178 Resp: 1238611

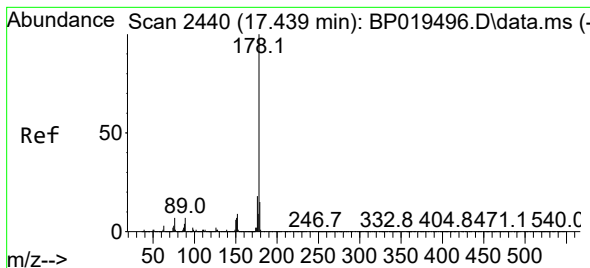
Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.3 12.6 19.0





#72

Anthracene

Concen: 9.911 ng

RT: 17.433 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

TP-1DL

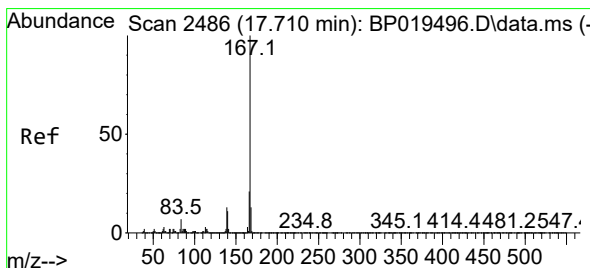
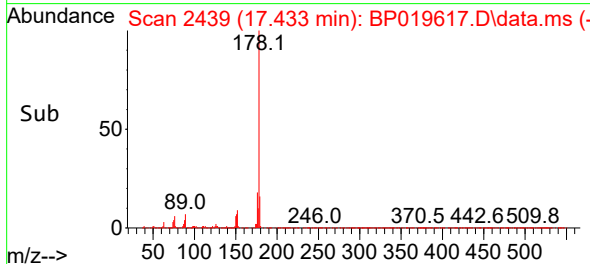
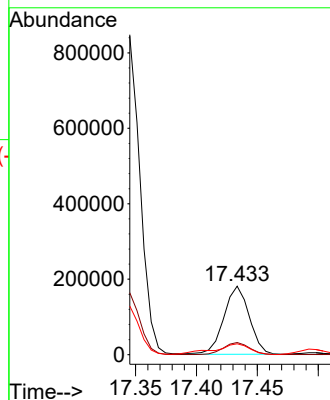
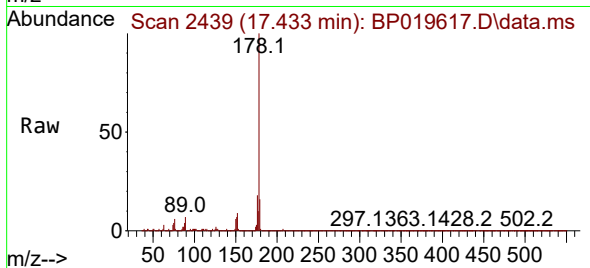
Tgt Ion:178 Resp: 261928

Ion Ratio Lower Upper

178 100

176 17.7 14.7 22.1

179 16.0 12.2 18.2



#73

Carbazole

Concen: 4.686 ng

RT: 17.710 min Scan# 2486

Delta R.T. 0.000 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

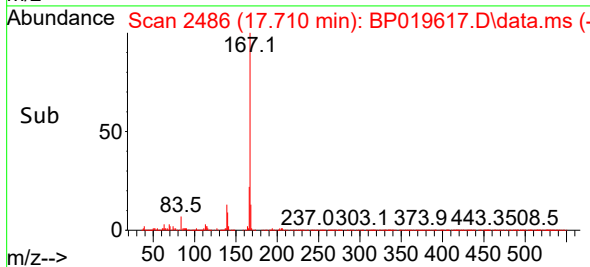
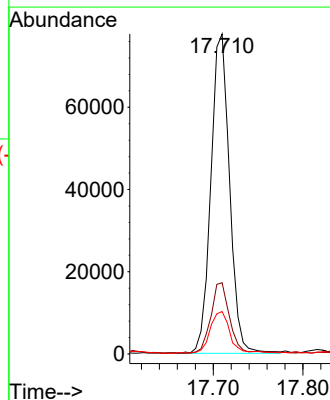
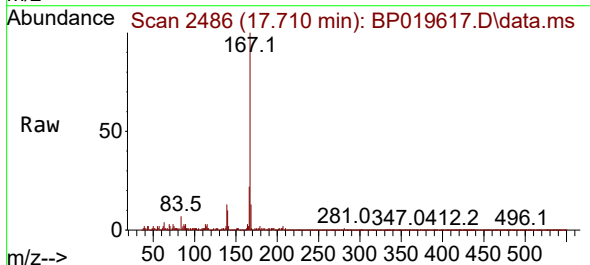
Tgt Ion:167 Resp: 112500

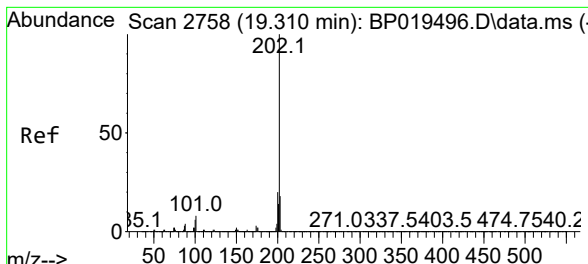
Ion Ratio Lower Upper

167 100

166 22.3 17.2 25.8

139 13.3 10.6 15.8



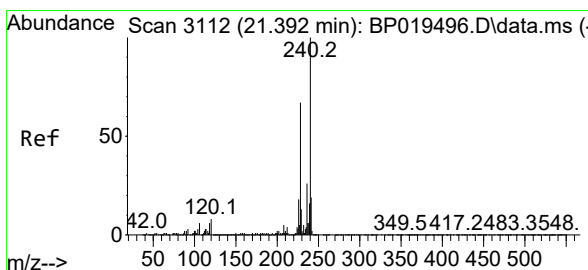
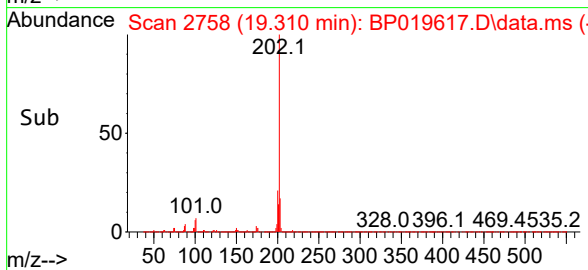
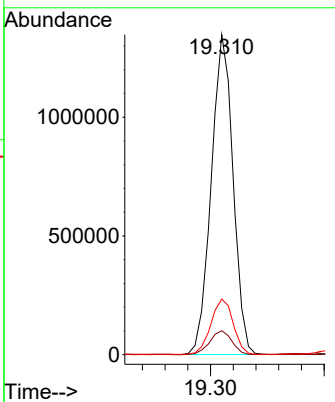
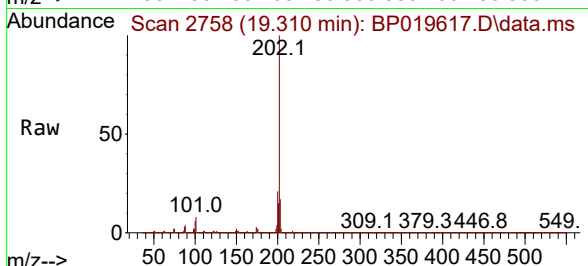


#75
 Fluoranthene
 Concen: 55.496 ng
 RT: 19.310 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP019617.D
 Acq: 08 Feb 2024 20:01

Instrument :
 BNA_P
 ClientSampleId :
 TP-1DL

Tgt Ion:202 Resp: 1795978

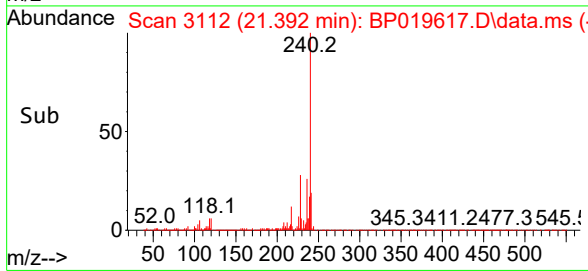
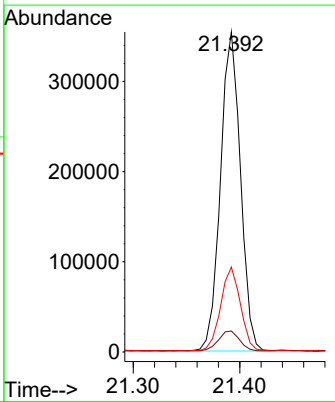
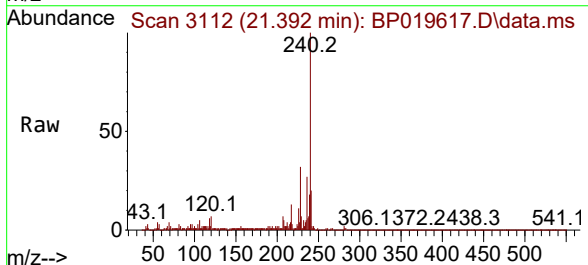
Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	27.7
203	17.3	0.0	37.5

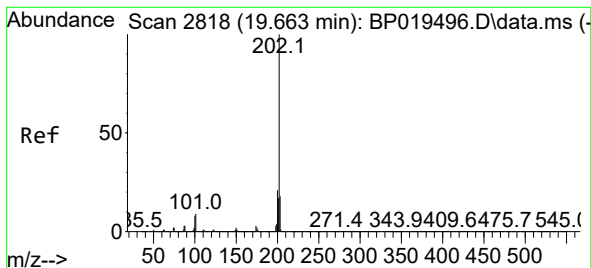


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.392 min Scan# 3112
 Delta R.T. 0.000 min
 Lab File: BP019617.D
 Acq: 08 Feb 2024 20:01

Tgt Ion:240 Resp: 461425

Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.1	9.1
236	26.5	20.7	31.1





#78

Pyrene

Concen: 48.475 ng

RT: 19.663 min Scan# 2818

Delta R.T. 0.000 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

TP-1DL

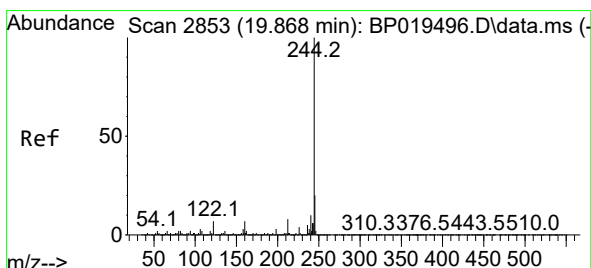
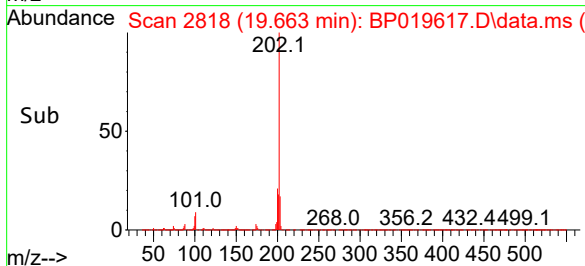
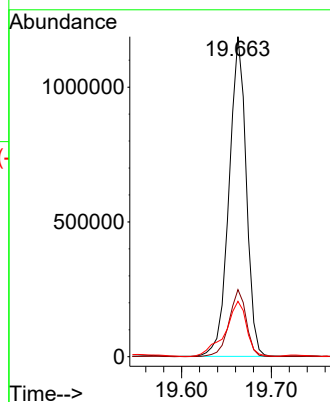
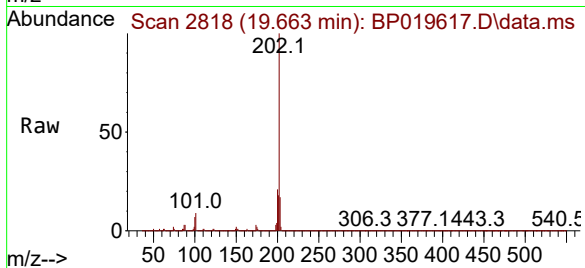
Tgt Ion:202 Resp: 1578605

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 17.3 14.2 21.2



#79

Terphenyl-d14

Concen: 13.584 ng

RT: 19.863 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

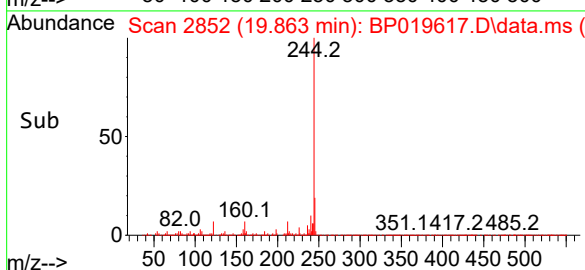
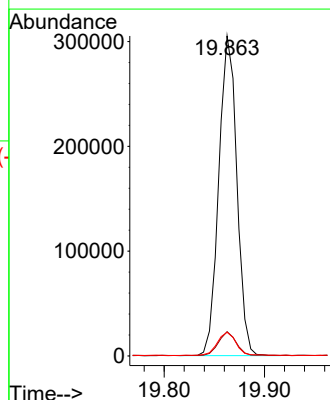
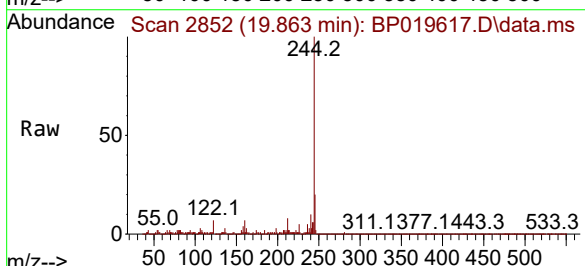
Tgt Ion:244 Resp: 381138

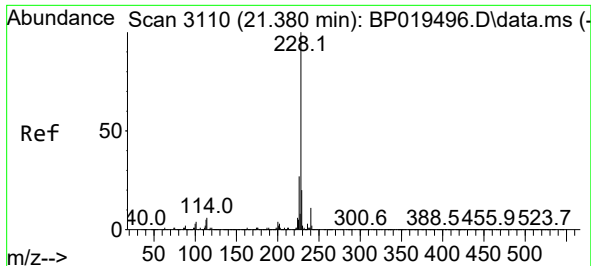
Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 7.4 5.9 8.9

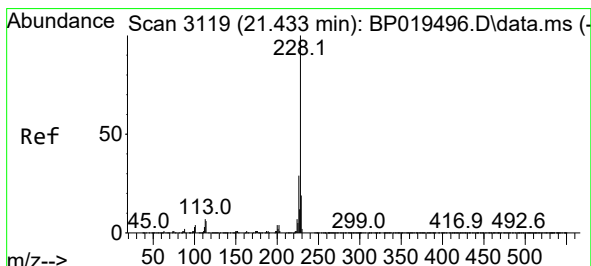
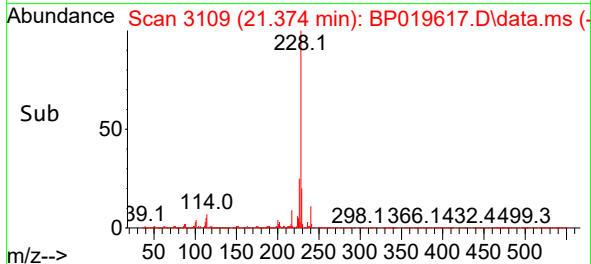
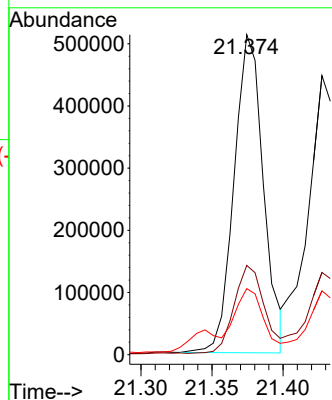
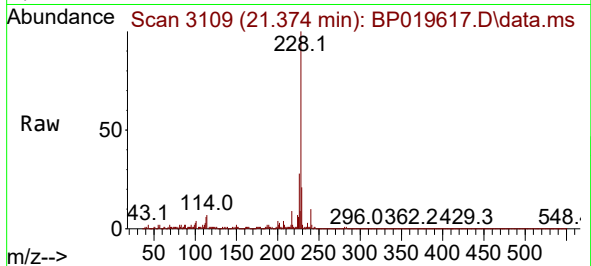




#81
Benzo(a)anthracene
Concen: 22.683 ng
RT: 21.374 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

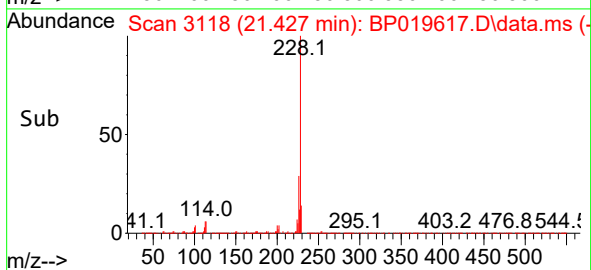
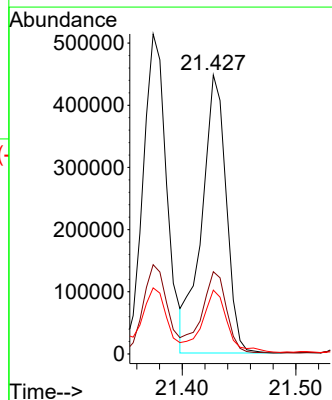
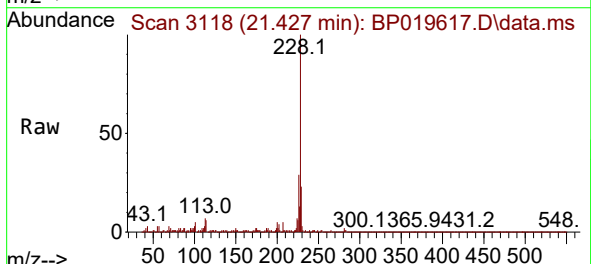
Instrument :
BNA_P
ClientSampleId :
TP-1DL

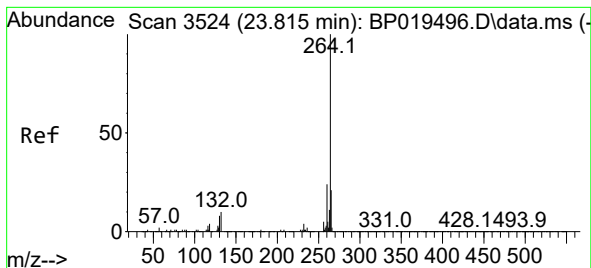
Tgt Ion:228 Resp: 736765
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 20.6 15.6 23.4



#83
Chrysene
Concen: 21.664 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Tgt Ion:228 Resp: 668082
Ion Ratio Lower Upper
228 100
226 29.5 23.4 35.2
229 22.9 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3524

Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

TP-1DL

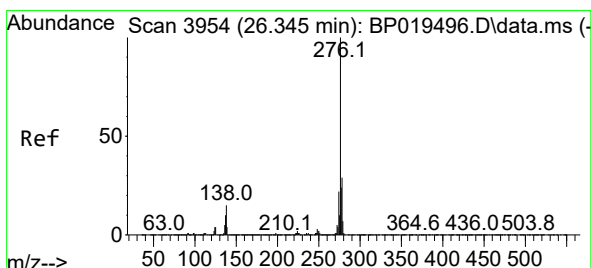
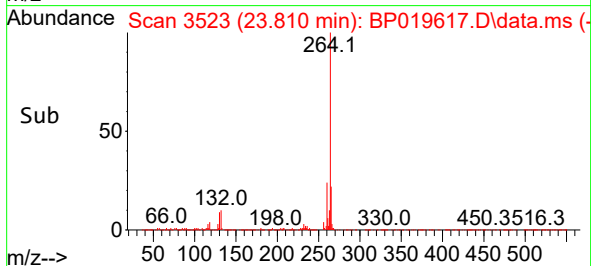
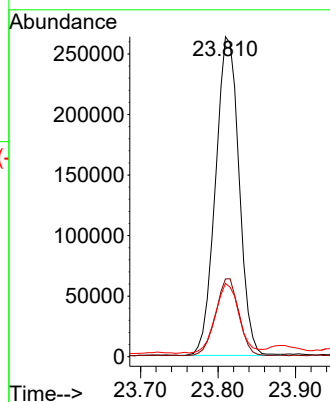
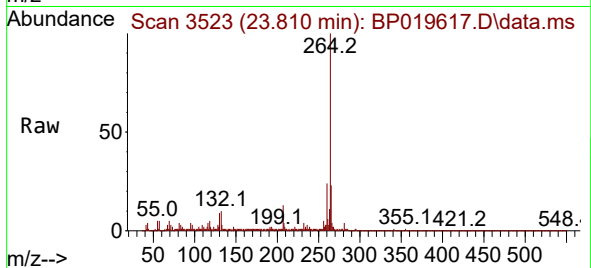
Tgt Ion:264 Resp: 556001

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.9 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.850 ng

RT: 26.339 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

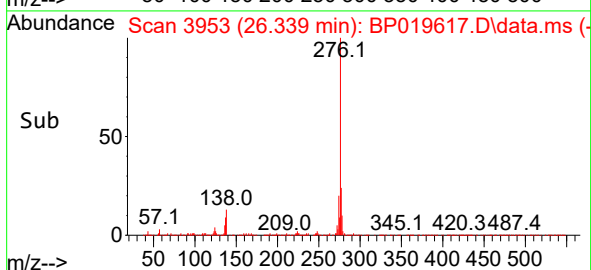
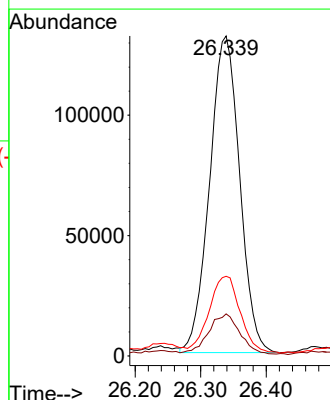
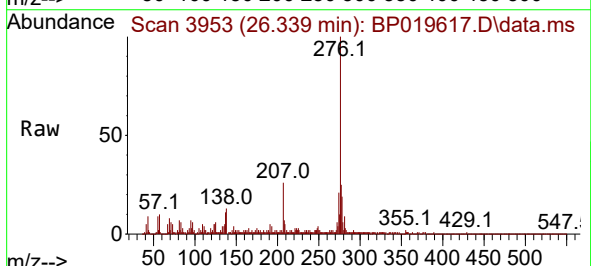
Tgt Ion:276 Resp: 419226

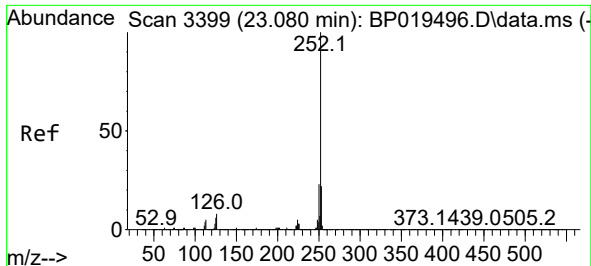
Ion Ratio Lower Upper

276 100

138 13.1 13.1 19.7#

277 25.0 20.3 30.5

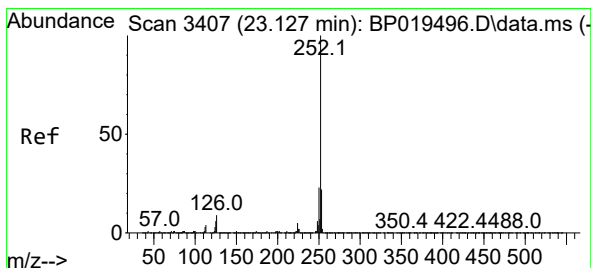
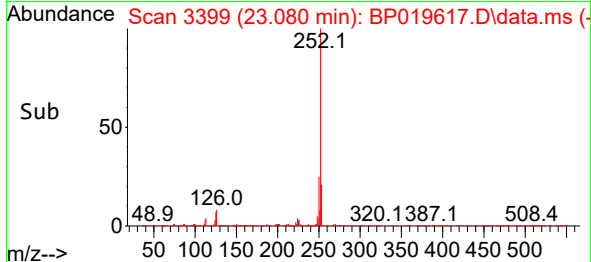
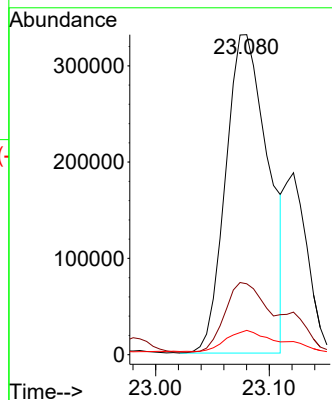
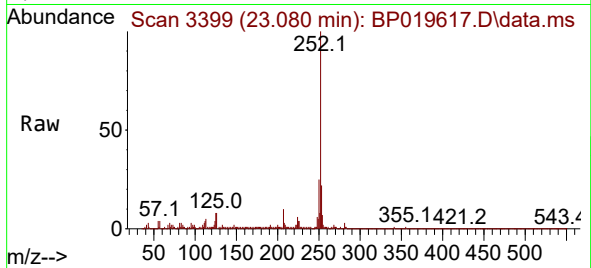




#88
Benzo(b)fluoranthene
Concen: 24.575 ng
RT: 23.080 min Scan# 3399
Delta R.T. 0.000 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

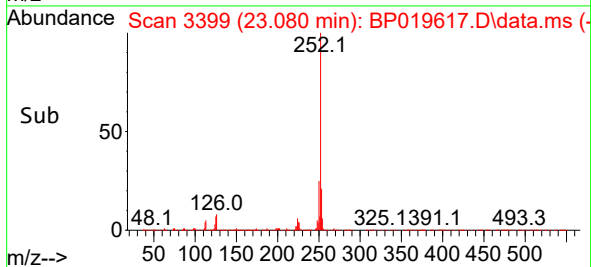
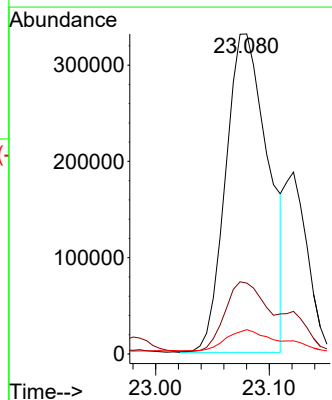
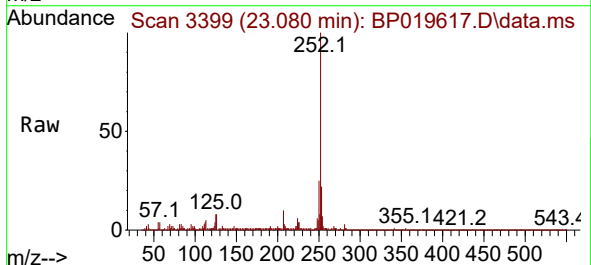
Instrument :
BNA_P
ClientSampleId :
TP-1DL

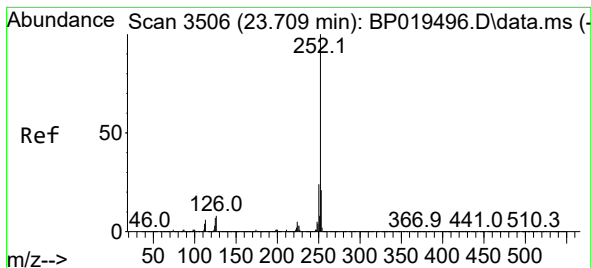
Tgt Ion:252 Resp: 861150
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 7.6 4.9 7.3#



#89
Benzo(k)fluoranthene
Concen: 25.726 ng
RT: 23.080 min Scan# 3399
Delta R.T. -0.047 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Tgt Ion:252 Resp: 861150
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 7.6 5.0 7.6#





#90

Benzo(a)pyrene

Concen: 20.335 ng

RT: 23.704 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

Instrument :

BNA_P

ClientSampleId :

TP-1DL

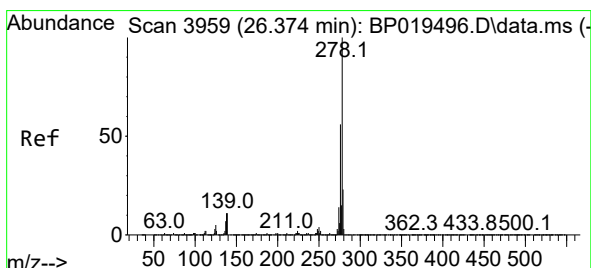
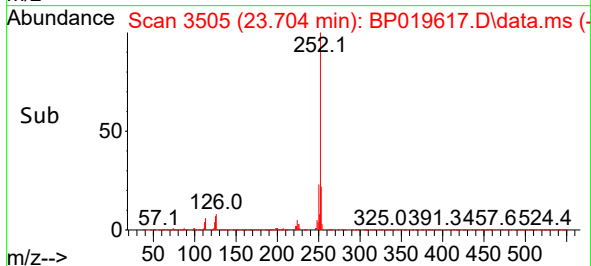
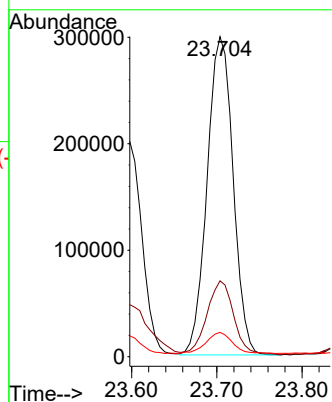
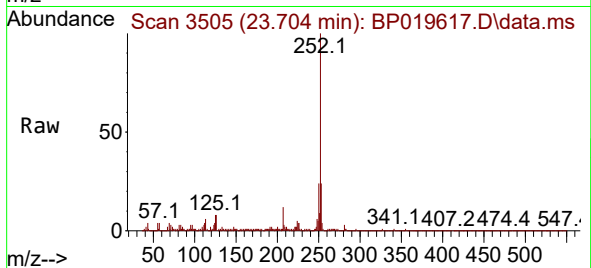
Tgt Ion:252 Resp: 634044

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 7.6 5.6 8.4



#91

Dibenzo(a,h)anthracene

Concen: 2.980 ng

RT: 26.351 min Scan# 3955

Delta R.T. -0.023 min

Lab File: BP019617.D

Acq: 08 Feb 2024 20:01

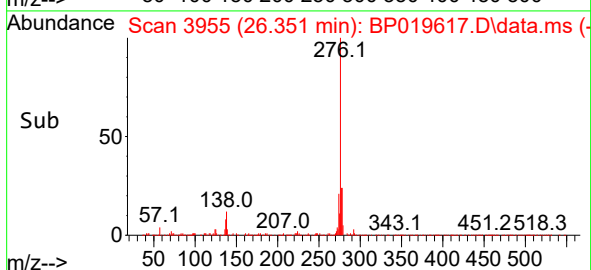
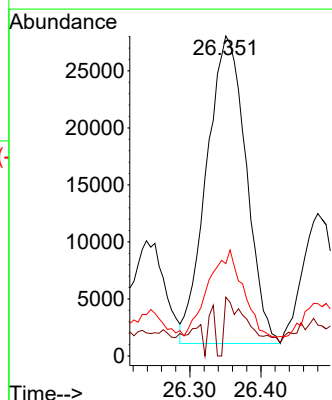
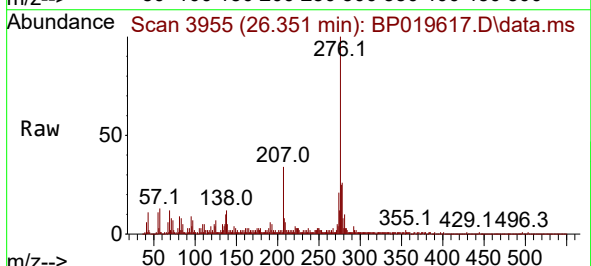
Tgt Ion:278 Resp: 104313

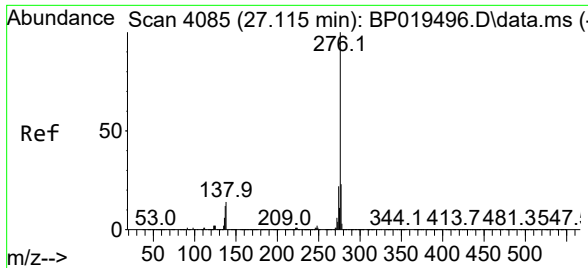
Ion Ratio Lower Upper

278 100

139 18.3 8.6 12.8#

279 28.8 18.5 27.7#





#92
Benzo(g,h,i)perylene
Concen: 11.251 ng
RT: 27.115 min Scan# 4085
Delta R.T. 0.000 min
Lab File: BP019617.D
Acq: 08 Feb 2024 20:01

Instrument :
BNA_P
ClientSampleId :
TP-1DL

Tgt Ion:276 Resp: 399523
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 14.4 10.9 16.3

