

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021924\
 Data File : BP019772.D
 Acq On : 19 Feb 2024 20:18
 Operator : MA/JU
 Sample : P1505-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-2D

Quant Time: Feb 19 23:38:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 19 23:35:42 2024
 Response via : Initial Calibration

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

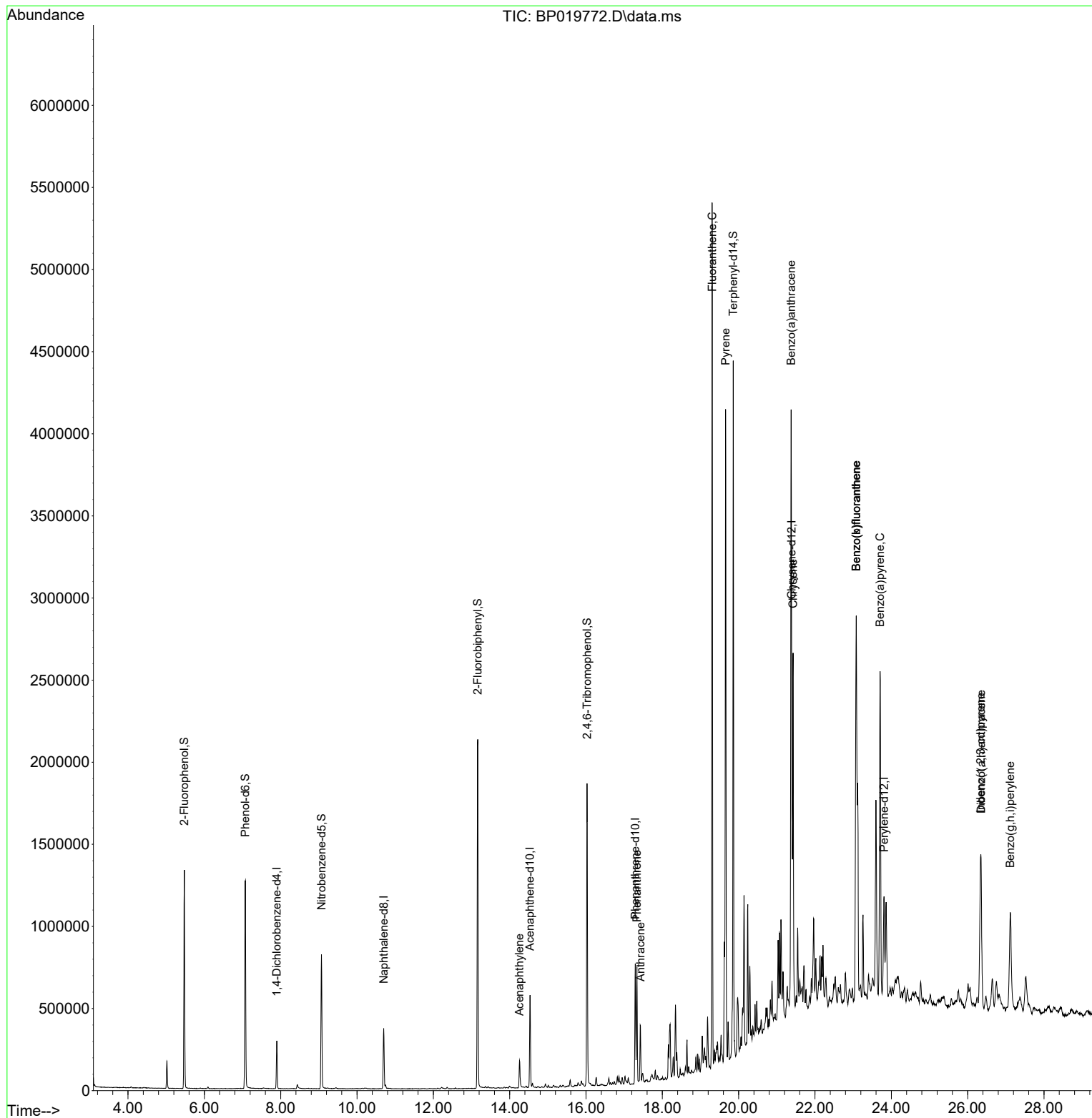
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	78443	20.000	ng	0.00
21) Naphthalene-d8	10.698	136	303906	20.000	ng	0.00
39) Acenaphthene-d10	14.534	164	204099	20.000	ng	0.00
64) Phenanthrene-d10	17.292	188	458623	20.000	ng	0.00
76) Chrysene-d12	21.386	240	454535	20.000	ng	0.00
86) Perylene-d12	23.810	264	510924	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	542056	111.387	ng	0.00
7) Phenol-d6	7.069	99	729460	111.169	ng	0.00
23) Nitrobenzene-d5	9.069	82	502603	71.662	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	385621	129.403	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	1172936	71.045	ng	0.00
79) Terphenyl-d14	19.857	244	2037275	73.710	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.257	152	158209	8.433	ng	99
71) Phenanthrene	17.333	178	434613	18.007	ng	99
72) Anthracene	17.428	178	239262	9.937	ng	99
75) Fluoranthene	19.304	202	3232005	109.618	ng	99
78) Pyrene	19.657	202	2539507	79.164	ng	99
81) Benzo(a)anthracene	21.374	228	2089654	65.310	ng	97
83) Chrysene	21.427	228	1334798	43.941	ng	97
87) Indeno(1,2,3-cd)pyrene	26.339	276	1114560	28.499	ng	# 95
88) Benzo(b)fluoranthene	23.080	252	2545305	79.044	ng	98
89) Benzo(k)fluoranthene	23.080	252	2545305	82.748	ng	98
90) Benzo(a)pyrene	23.704	252	1730731	60.406	ng	97
91) Dibenzo(a,h)anthracene	26.351	278	335932	10.444	ng	93
92) Benzo(g,h,i)perylene	27.115	276	938135	28.749	ng	98

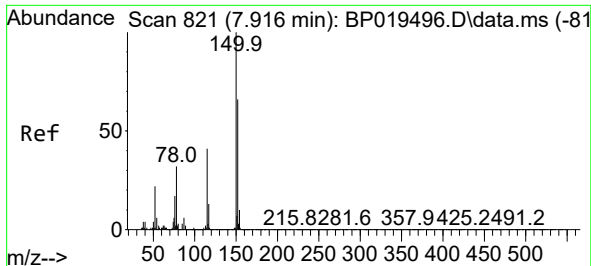
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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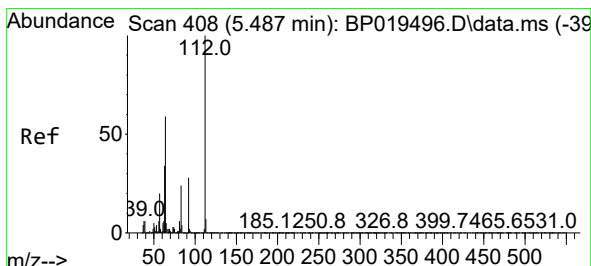
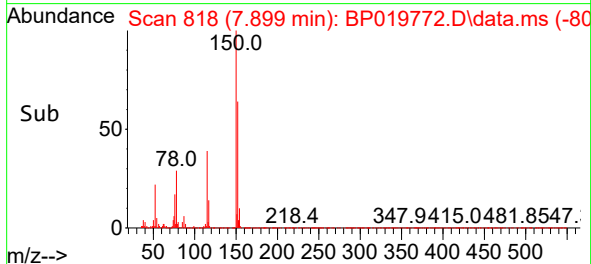
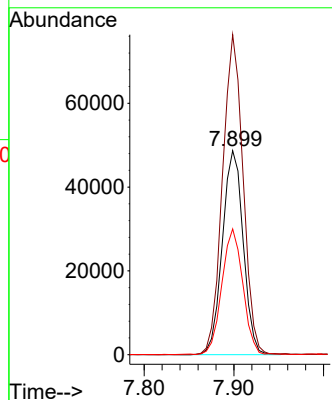
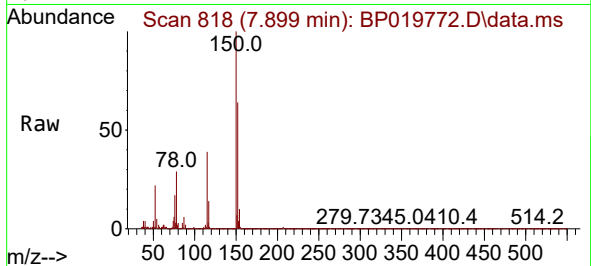




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP019772.D
Acq: 19 Feb 2024 20:18

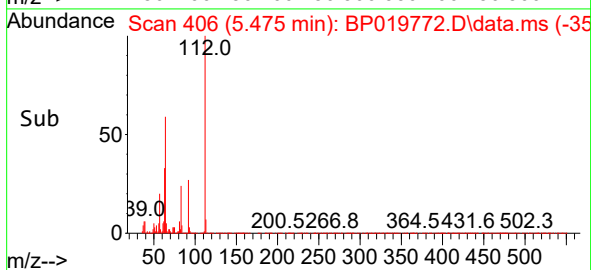
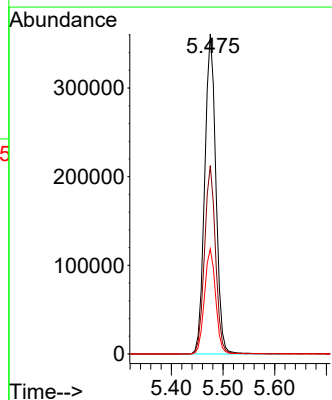
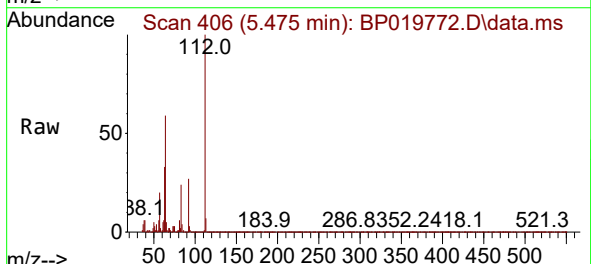
Instrument :
BNA_P
ClientSampleId :
WC-2D

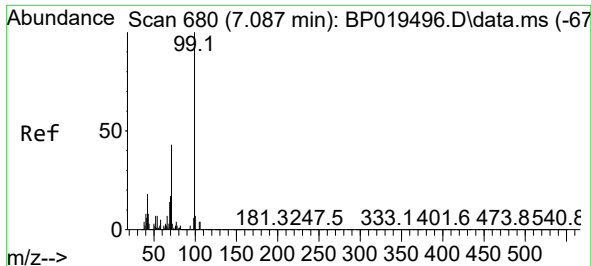
Tgt Ion:152 Resp: 78443
Ion Ratio Lower Upper
152 100
150 156.8 121.8 182.8
115 61.6 49.9 74.9



#5
2-Fluorophenol
Concen: 111.387 ng
RT: 5.475 min Scan# 406
Delta R.T. -0.000 min
Lab File: BP019772.D
Acq: 19 Feb 2024 20:18

Tgt Ion:112 Resp: 542056
Ion Ratio Lower Upper
112 100
64 58.8 47.4 71.0
63 32.8 27.0 40.6

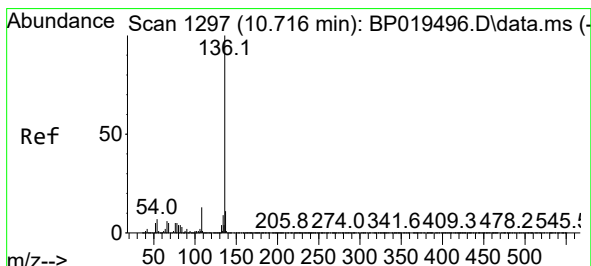
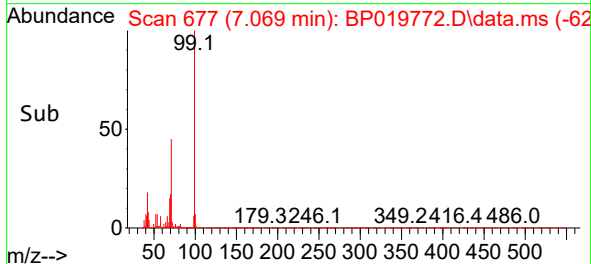
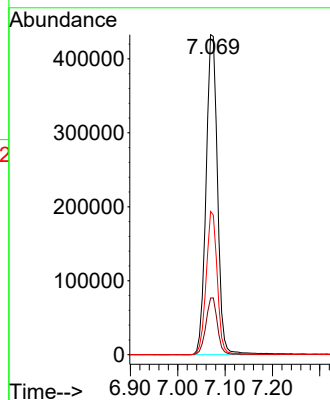
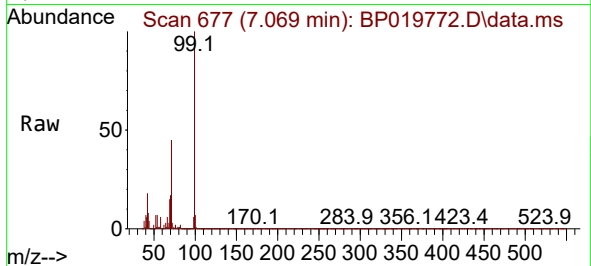




#7
Phenol-d6
Concen: 111.169 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP019772.D
Acq: 19 Feb 2024 20:18

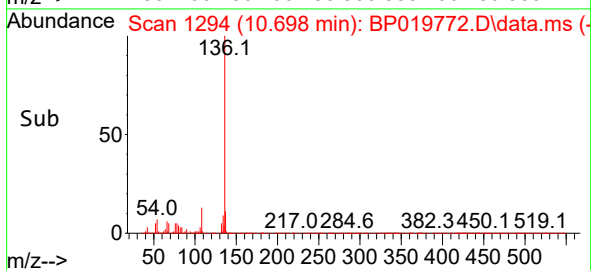
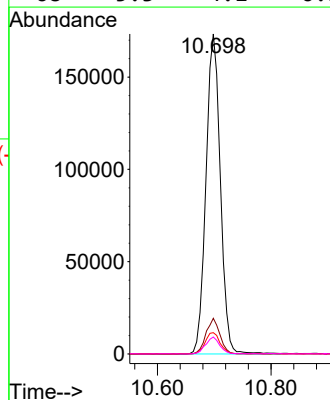
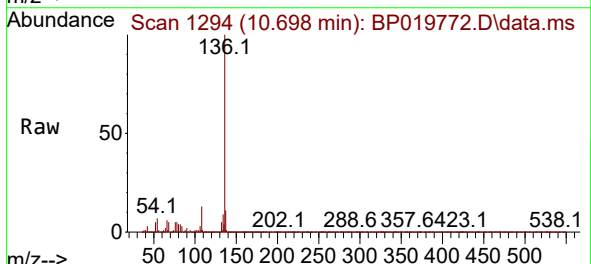
Instrument :
BNA_P
ClientSampleId :
WC-2D

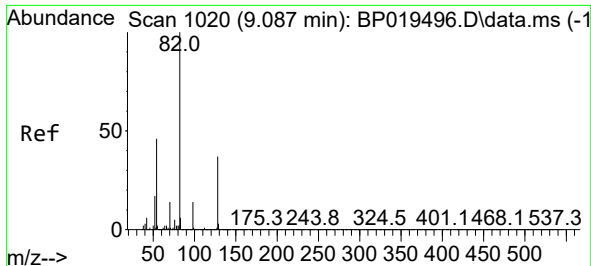
Tgt Ion: 99 Resp: 729460
Ion Ratio Lower Upper
99 100
42 17.7 14.7 22.1
71 44.7 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP019772.D
Acq: 19 Feb 2024 20:18

Tgt Ion: 136 Resp: 303906
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.7 5.3 7.9
68 5.3 4.1 6.1

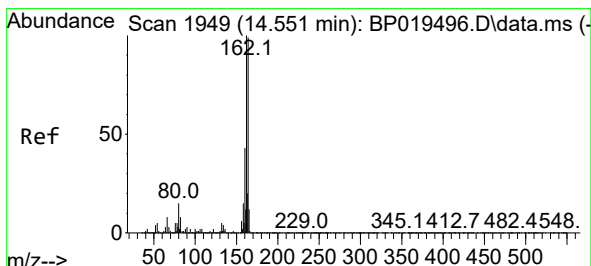
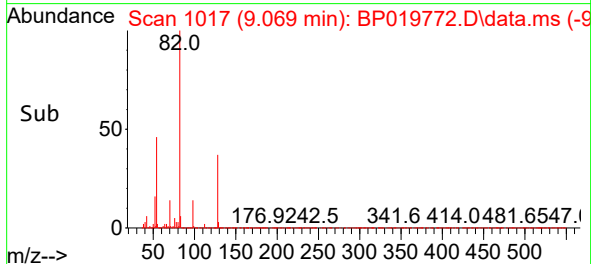
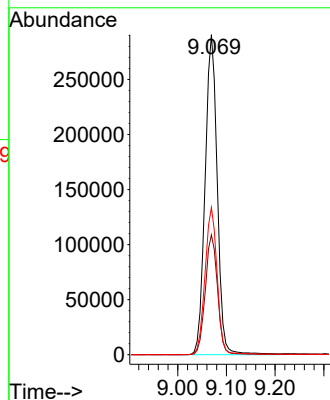
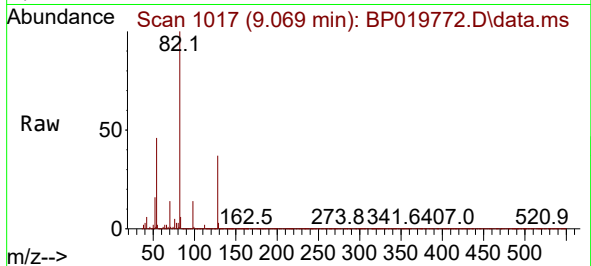




#23
Nitrobenzene-d5
Concen: 71.662 ng
RT: 9.069 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BP019772.D
Acq: 19 Feb 2024 20:18

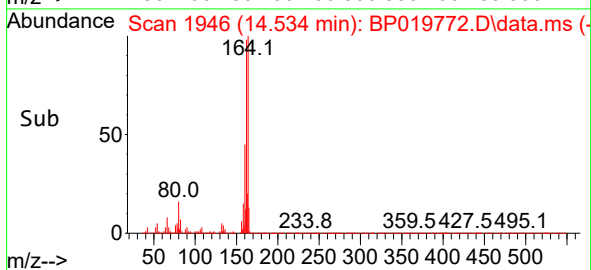
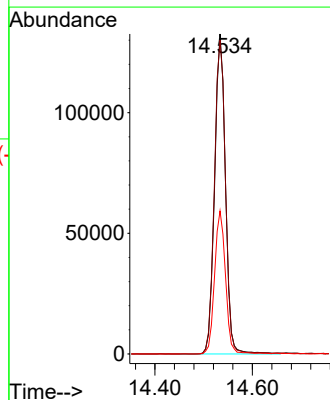
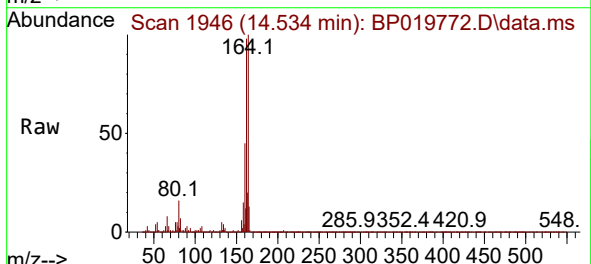
Instrument :
BNA_P
ClientSampleId :
WC-2D

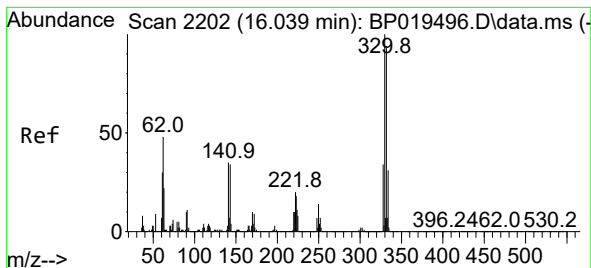
Tgt Ion: 82 Resp: 502603
Ion Ratio Lower Upper
82 100
128 37.4 29.7 44.5
54 46.0 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP019772.D
Acq: 19 Feb 2024 20:18

Tgt Ion:164 Resp: 204099
Ion Ratio Lower Upper
164 100
162 98.1 81.2 121.8
160 44.7 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 129.403 ng

RT: 16.028 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

Instrument :

BNA_P

ClientSampleId :

WC-2D

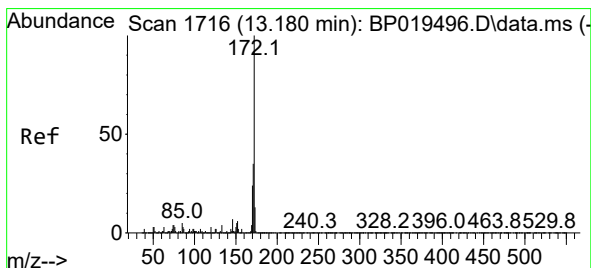
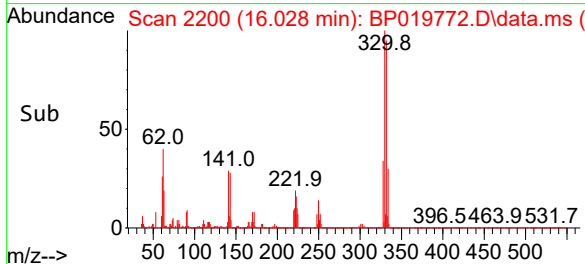
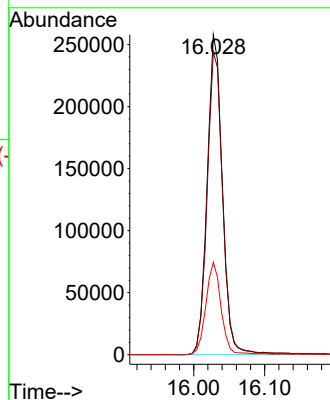
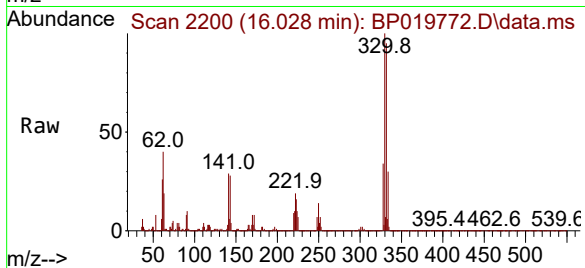
Tgt Ion:330 Resp: 385621

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

141 28.5 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 71.045 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

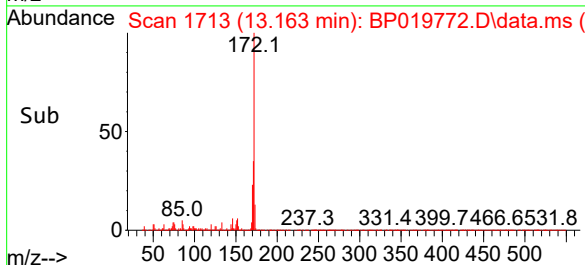
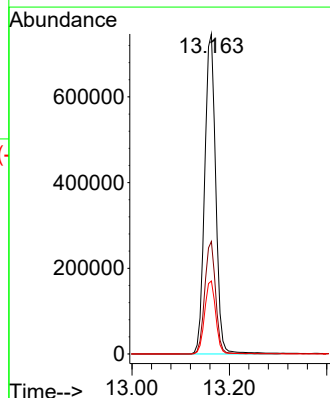
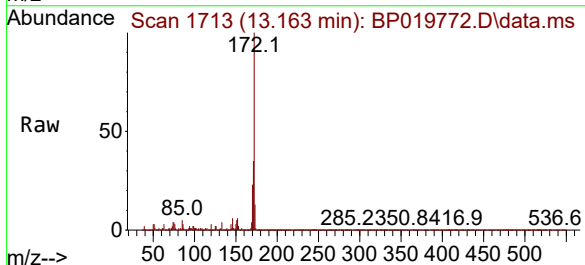
Tgt Ion:172 Resp: 1172936

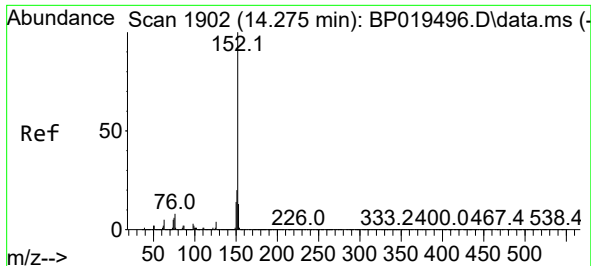
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 22.8 18.9 28.3

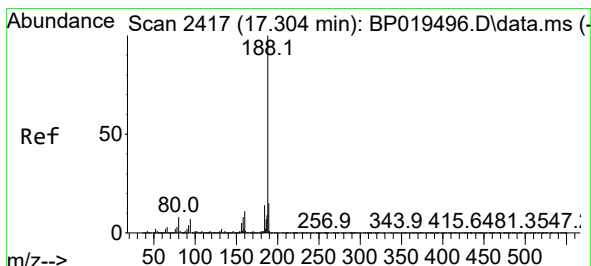
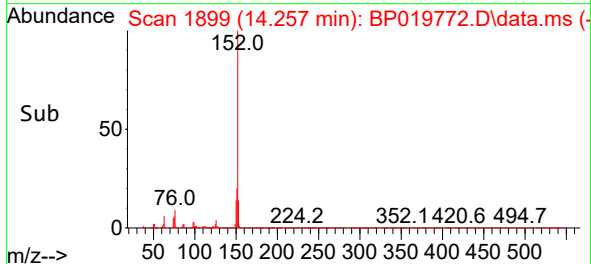
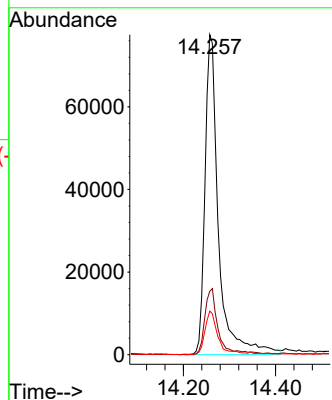
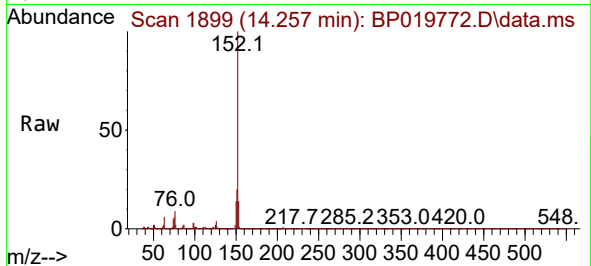




#49
Acenaphthylene
Concen: 8.433 ng
RT: 14.257 min Scan# 1899
Delta R.T. -0.006 min
Lab File: BP019772.D
Acq: 19 Feb 2024 20:18

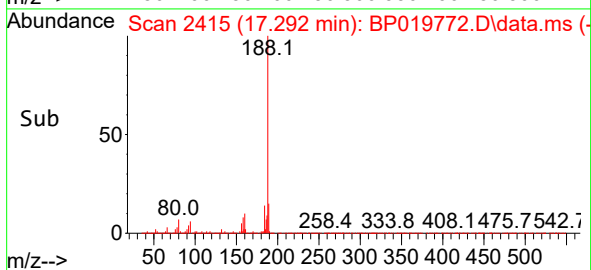
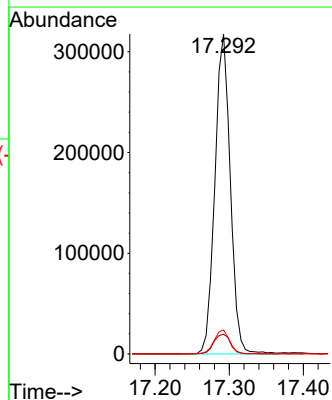
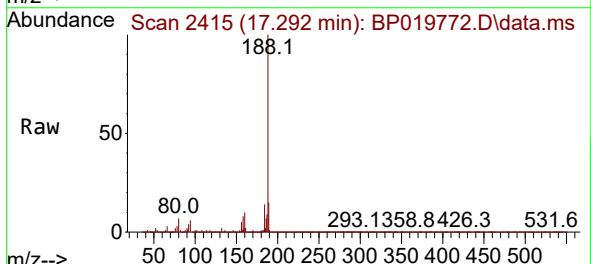
Instrument :
BNA_P
ClientSampleId :
WC-2D

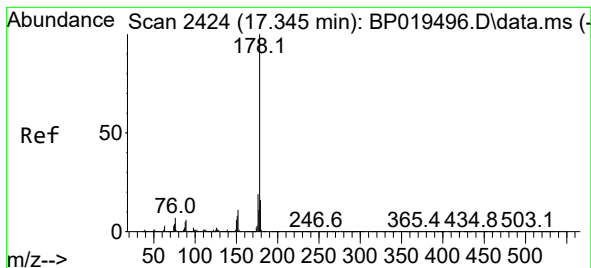
Tgt Ion:152 Resp: 158209
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.6 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BP019772.D
Acq: 19 Feb 2024 20:18

Tgt Ion:188 Resp: 458623
Ion Ratio Lower Upper
188 100
94 6.2 5.4 8.2
80 7.5 6.3 9.5





#71

Phenanthrene

Concen: 18.007 ng

RT: 17.333 min Scan# 2422

Delta R.T. -0.006 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

Instrument :

BNA_P

ClientSampleId :

WC-2D

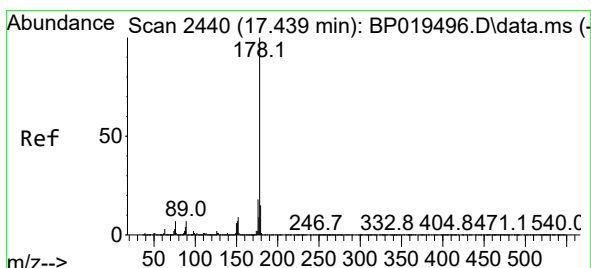
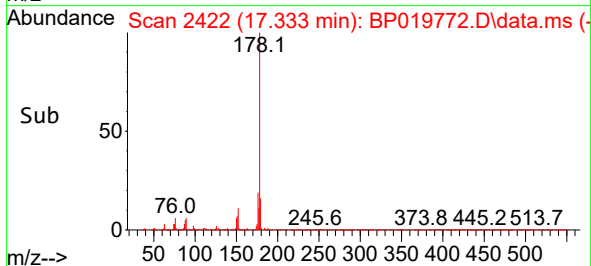
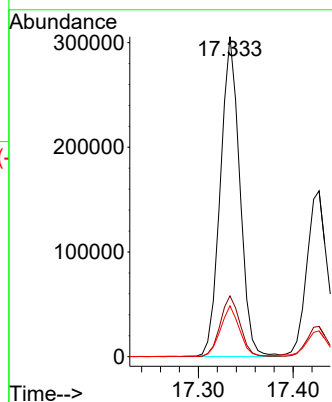
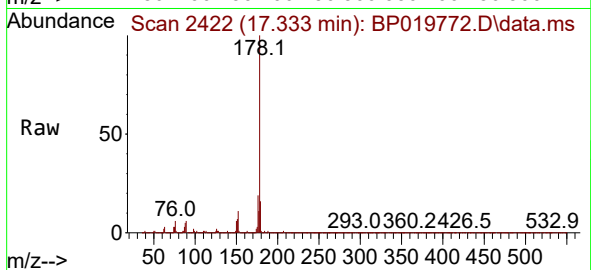
Tgt Ion:178 Resp: 434613

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.9 12.6 19.0



#72

Anthracene

Concen: 9.937 ng

RT: 17.428 min Scan# 2438

Delta R.T. -0.000 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

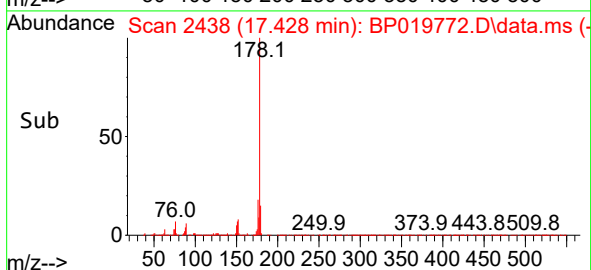
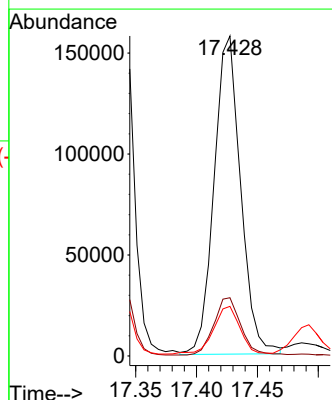
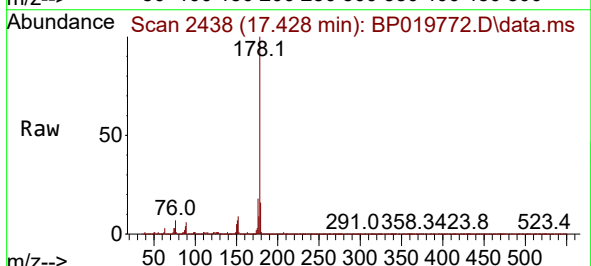
Tgt Ion:178 Resp: 239262

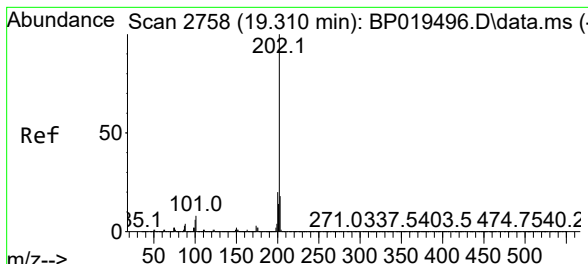
Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

179 15.5 12.2 18.2



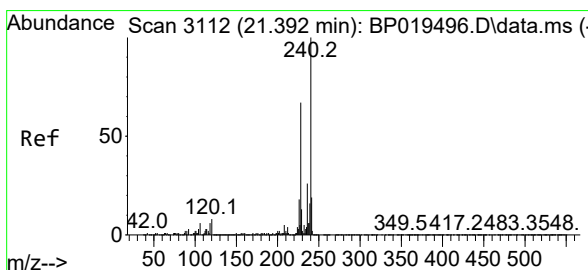
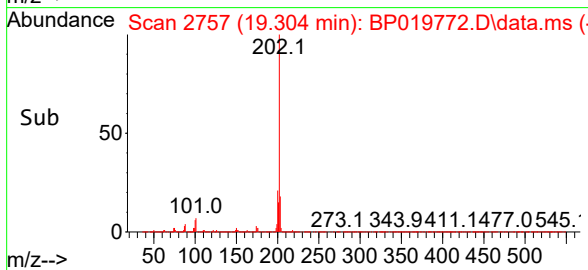
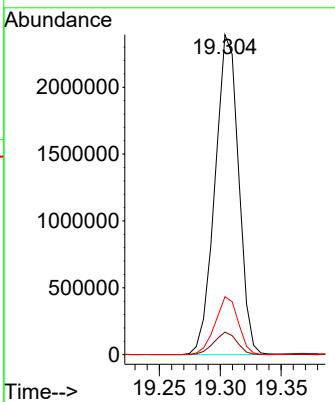
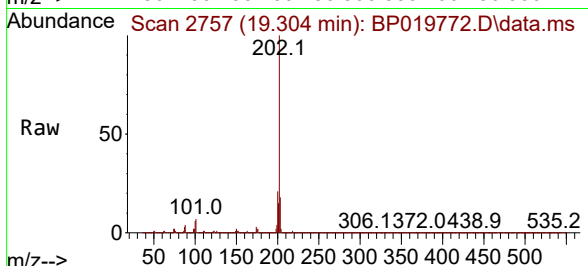


#75
 Fluoranthene
 Concen: 109.618 ng
 RT: 19.304 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP019772.D
 Acq: 19 Feb 2024 20:18

Instrument :
 BNA_P
 ClientSampleId :
 WC-2D

Tgt Ion:202 Resp: 3232005

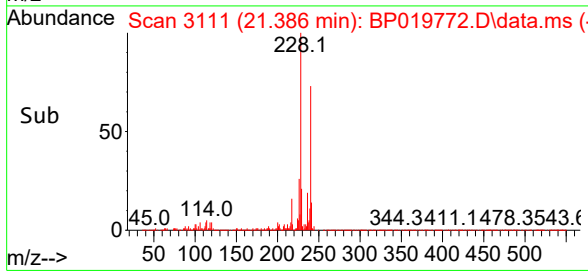
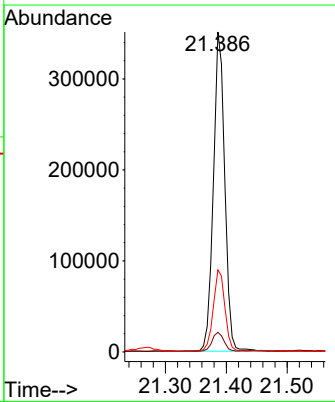
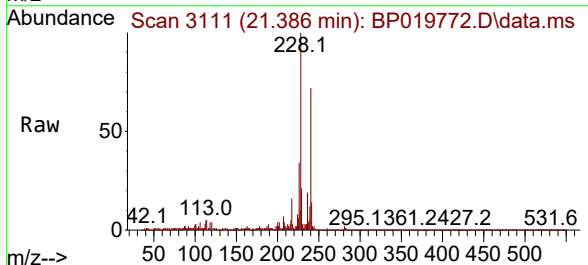
Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	27.7
203	18.1	0.0	37.5

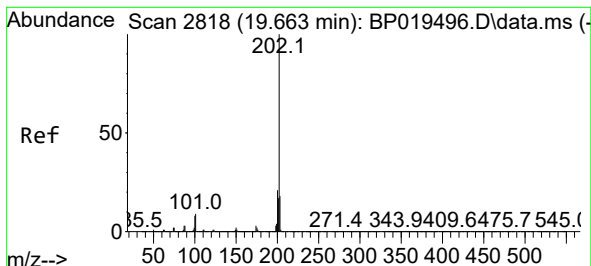


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BP019772.D
 Acq: 19 Feb 2024 20:18

Tgt Ion:240 Resp: 454535

Ion	Ratio	Lower	Upper
240	100		
120	6.2	6.1	9.1
236	25.6	20.7	31.1





#78

Pyrene

Concen: 79.164 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.000 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

Instrument :

BNA_P

ClientSampleId :

WC-2D

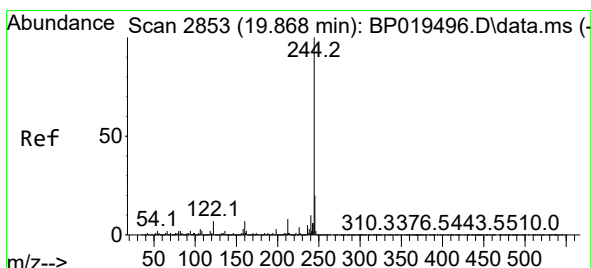
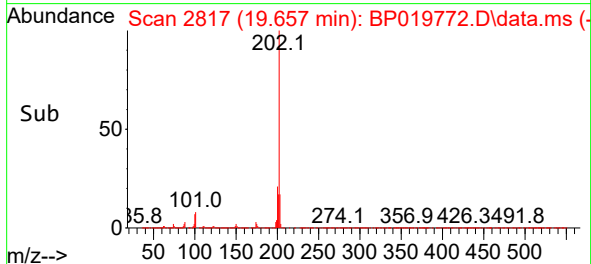
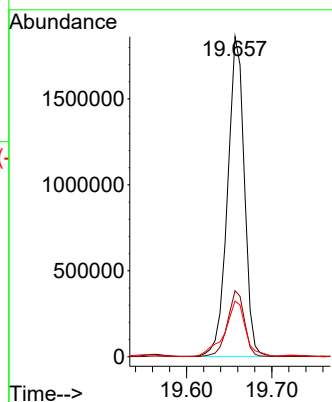
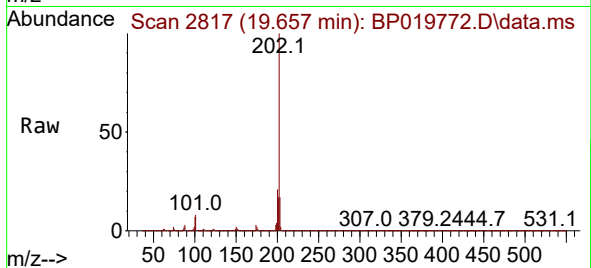
Tgt Ion:202 Resp: 2539507

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.4 14.2 21.2



#79

Terphenyl-d14

Concen: 73.710 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.006 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

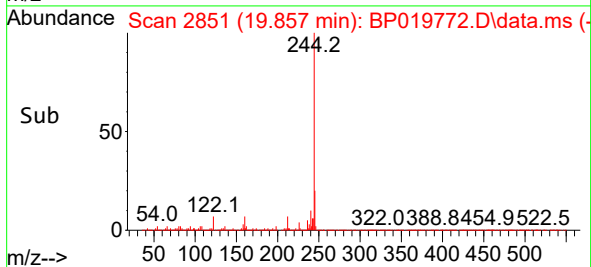
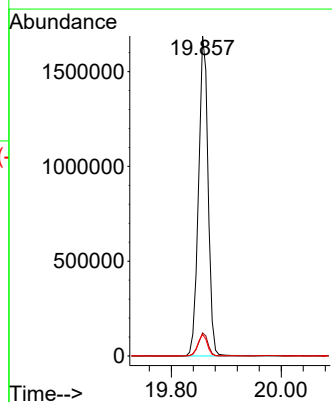
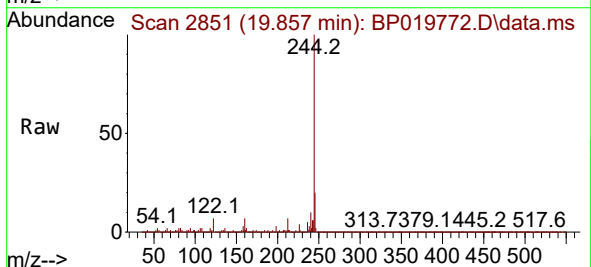
Tgt Ion:244 Resp: 2037275

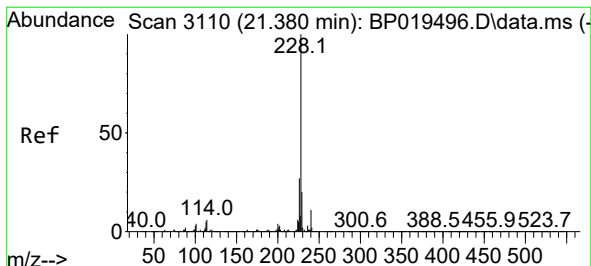
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 6.7 5.9 8.9





#81

Benzo(a)anthracene

Concen: 65.310 ng

RT: 21.374 min Scan# 3109

Delta R.T. -0.000 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

Instrument :

BNA_P

ClientSampleId :

WC-2D

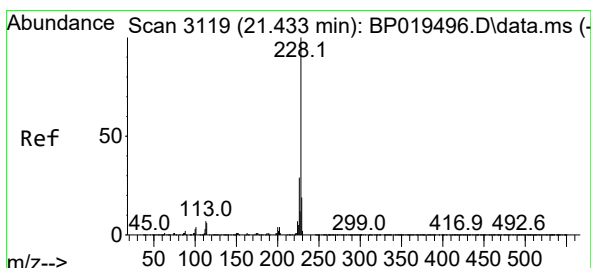
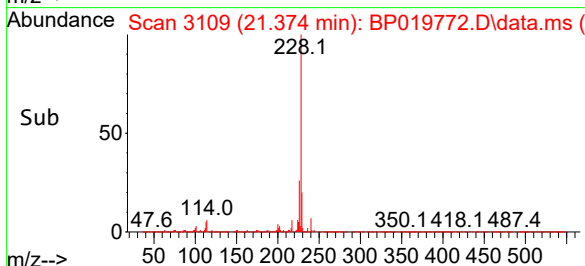
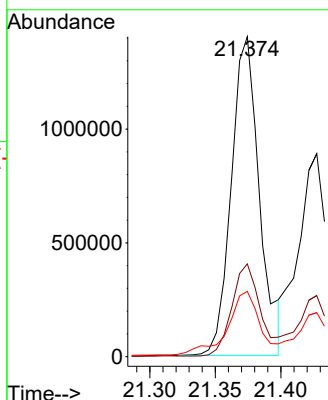
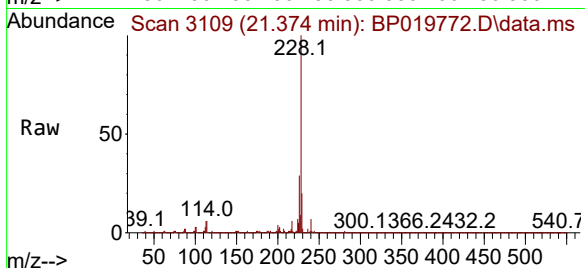
Tgt Ion:228 Resp: 2089654

Ion Ratio Lower Upper

228 100

226 29.0 21.7 32.5

229 20.4 15.6 23.4



#83

Chrysene

Concen: 43.941 ng

RT: 21.427 min Scan# 3118

Delta R.T. -0.000 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

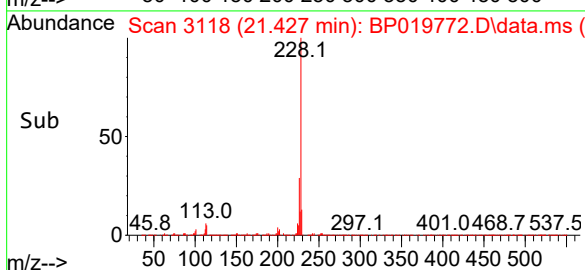
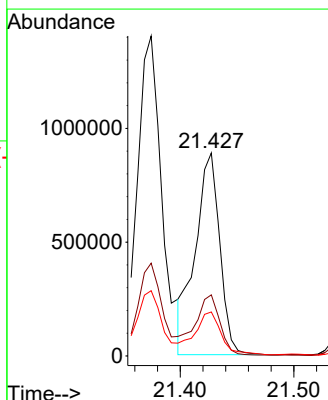
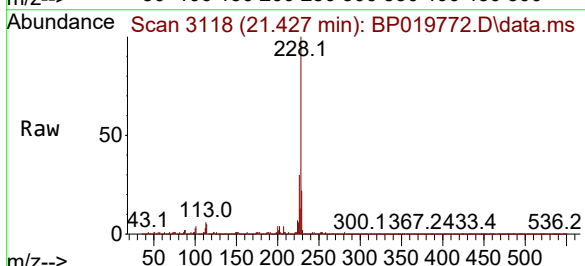
Tgt Ion:228 Resp: 1334798

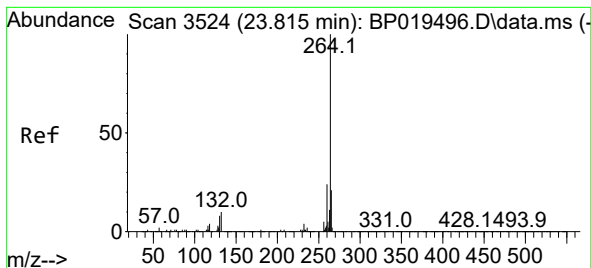
Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

229 21.7 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.810 min Scan# 3524

Delta R.T. -0.000 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

Instrument :

BNA_P

ClientSampleId :

WC-2D

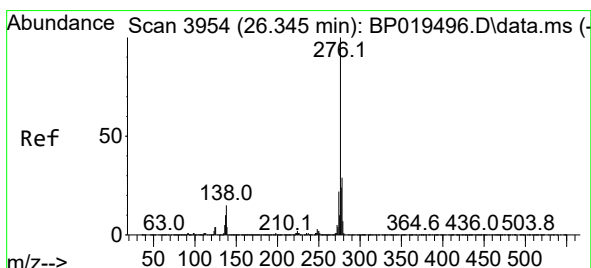
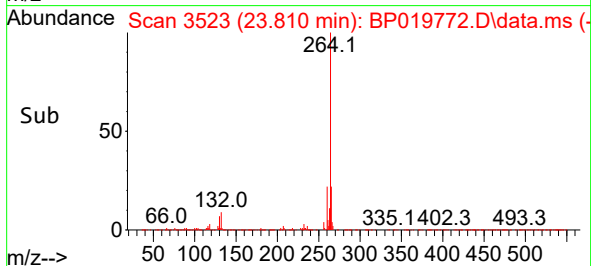
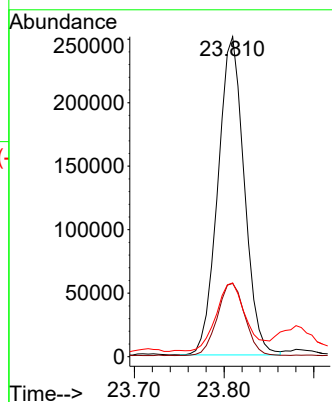
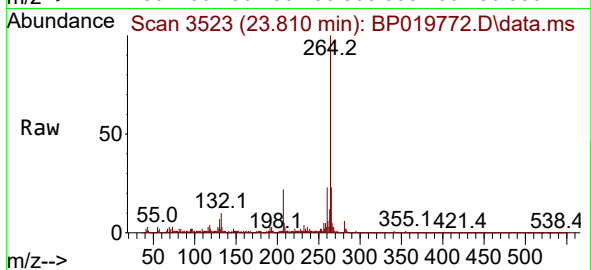
Tgt Ion:264 Resp: 510924

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 23.0 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 28.499 ng

RT: 26.339 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

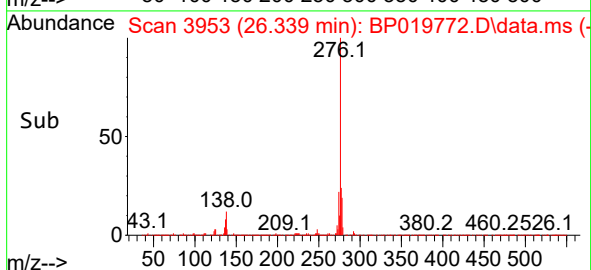
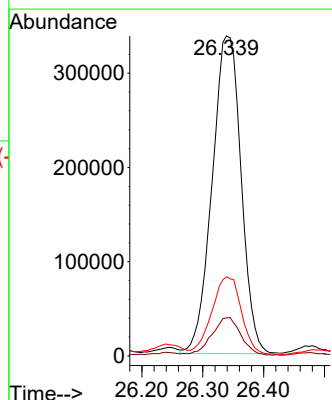
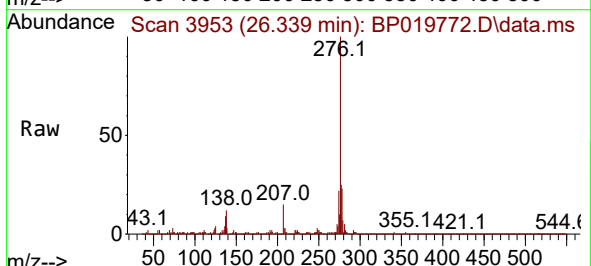
Tgt Ion:276 Resp: 1114560

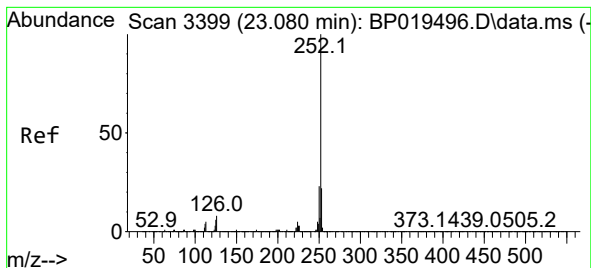
Ion Ratio Lower Upper

276 100

138 11.7 13.1 19.7#

277 25.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 79.044 ng

RT: 23.080 min Scan# 3399

Delta R.T. 0.006 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

Instrument :

BNA_P

ClientSampleId :

WC-2D

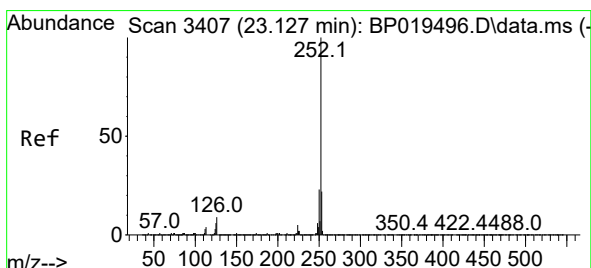
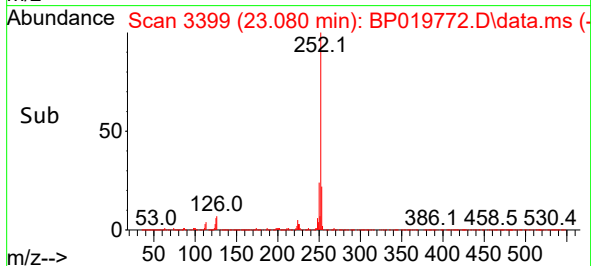
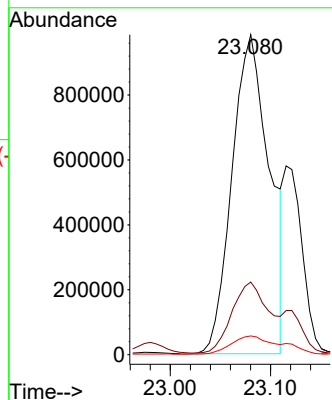
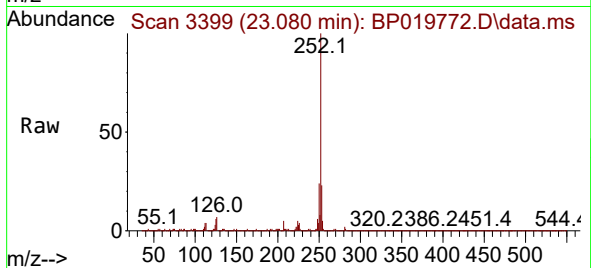
Tgt Ion:252 Resp: 2545305

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 5.9 4.9 7.3



#89

Benzo(k)fluoranthene

Concen: 82.748 ng

RT: 23.080 min Scan# 3399

Delta R.T. -0.041 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

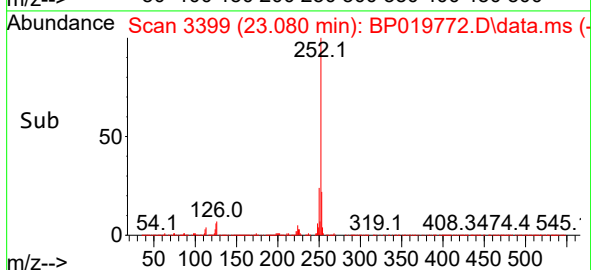
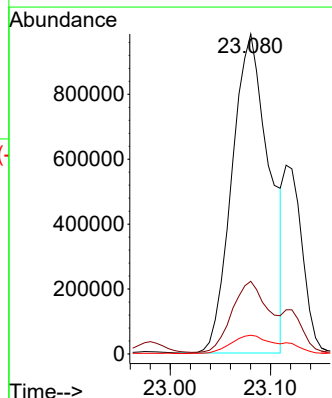
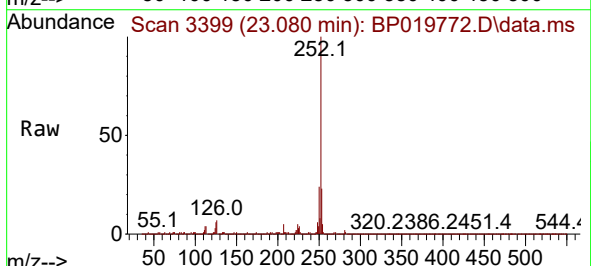
Tgt Ion:252 Resp: 2545305

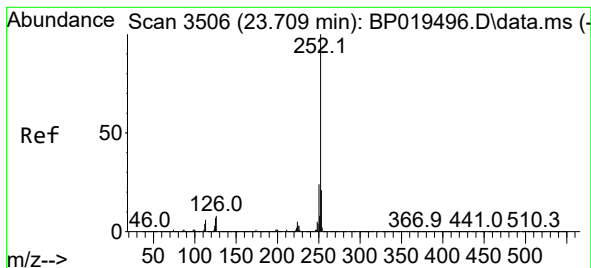
Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 5.9 5.0 7.6





#90

Benzo(a)pyrene

Concen: 60.406 ng

RT: 23.704 min Scan# 3

Delta R.T. -0.000 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

Instrument :

BNA_P

ClientSampleId :

WC-2D

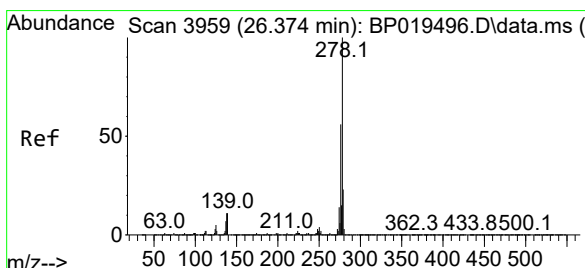
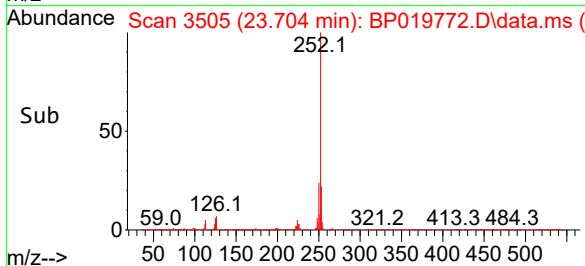
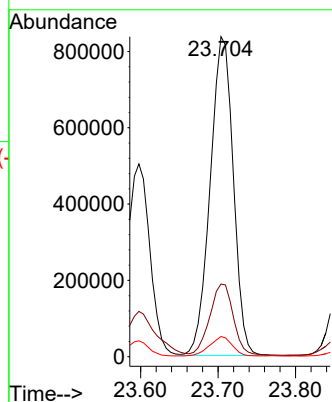
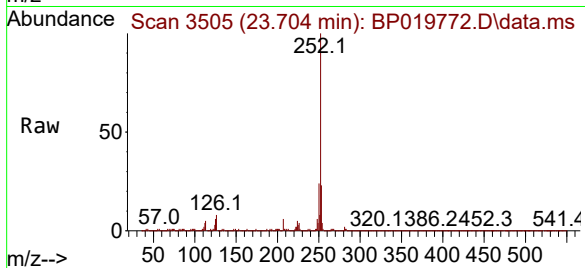
Tgt Ion:252 Resp: 1730731

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 6.3 5.6 8.4



#91

Dibenzo(a,h)anthracene

Concen: 10.444 ng

RT: 26.351 min Scan# 3955

Delta R.T. -0.018 min

Lab File: BP019772.D

Acq: 19 Feb 2024 20:18

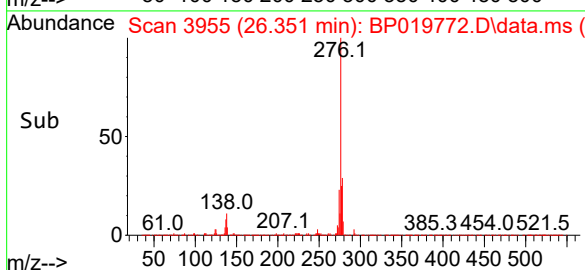
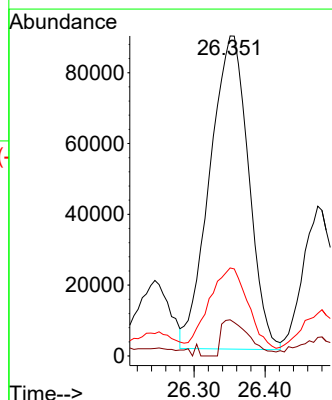
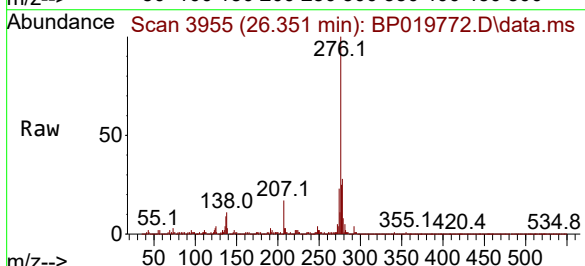
Tgt Ion:278 Resp: 335932

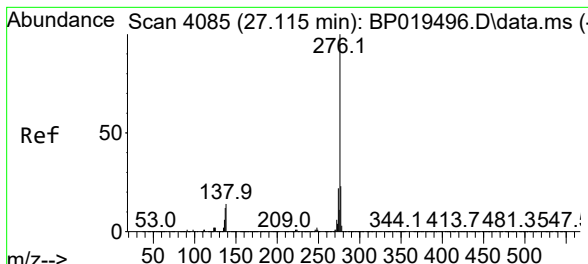
Ion Ratio Lower Upper

278 100

139 11.3 8.6 12.8

279 27.5 18.5 27.7





#92
 Benzo(g,h,i)perylene
 Concen: 28.749 ng
 RT: 27.115 min Scan# 4085
 Delta R.T. -0.006 min
 Lab File: BP019772.D
 Acq: 19 Feb 2024 20:18

Instrument :
 BNA_P
 ClientSampleId :
 WC-2D

Tgt Ion:276 Resp: 938135

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	11.7	10.9	16.3

