

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021924\
 Data File : BP019771.D
 Acq On : 19 Feb 2024 19:44
 Operator : MA/JU
 Sample : P1505-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-2S

Quant Time: Feb 19 23:37:42 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)

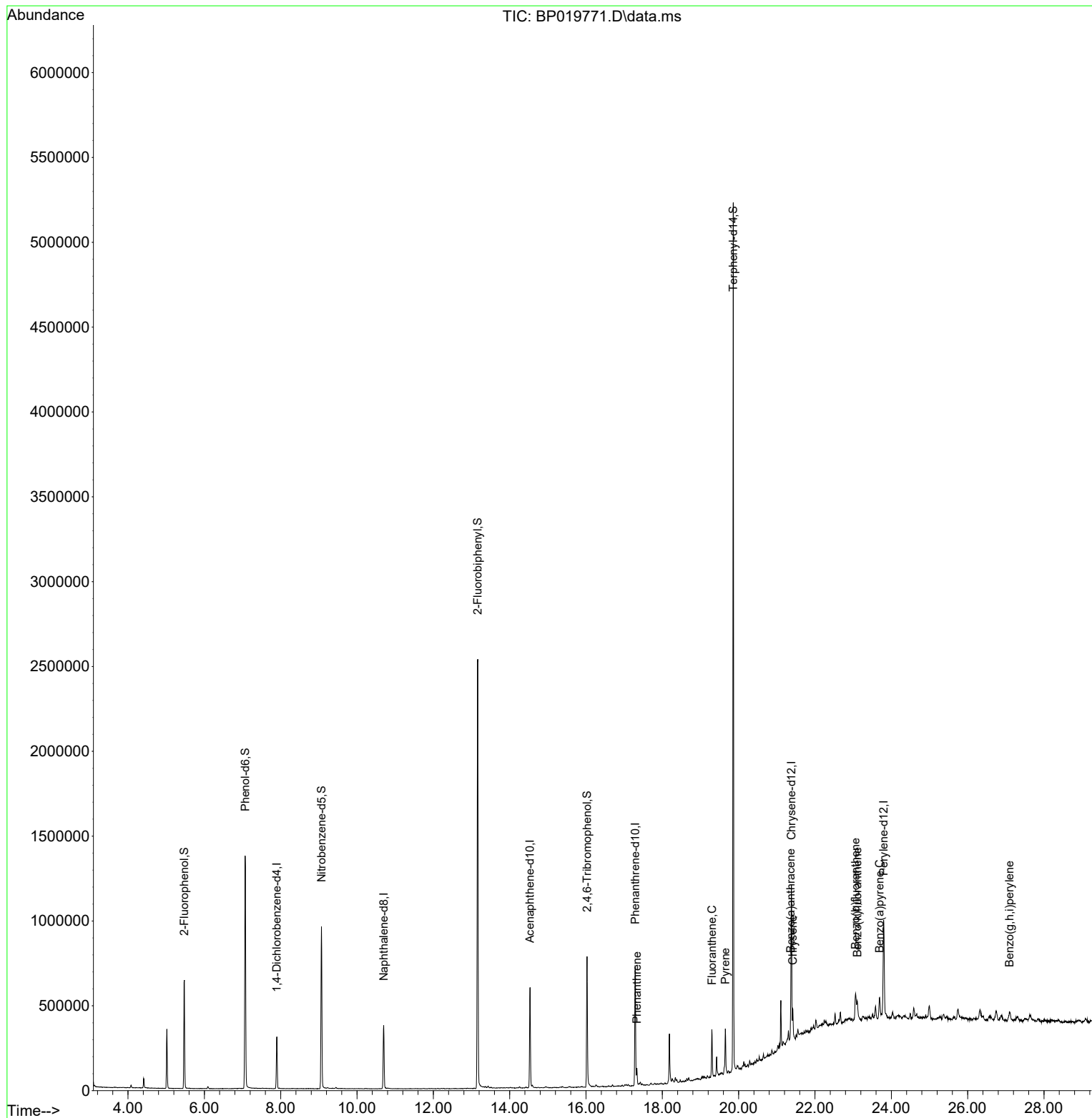
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	81948	20.000	ng	0.00
21) Naphthalene-d8	10.699	136	309554	20.000	ng	0.00
39) Acenaphthene-d10	14.534	164	208293	20.000	ng	0.00
64) Phenanthrene-d10	17.292	188	474368	20.000	ng	0.00
76) Chrysene-d12	21.380	240	460784	20.000	ng	-0.01
86) Perylene-d12	23.798	264	516069	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	268702	52.854	ng	0.00
7) Phenol-d6	7.069	99	781939	114.070	ng	0.00
23) Nitrobenzene-d5	9.069	82	583204	81.637	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	175553	57.724	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	1404430	83.354	ng	0.00
79) Terphenyl-d14	19.857	244	2523704	90.071	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.334	178	60676	2.430	ng	99
75) Fluoranthene	19.298	202	160090	5.249	ng	100
78) Pyrene	19.651	202	162670	5.002	ng	99
81) Benzo(a)anthracene	21.363	228	106483	3.283	ng	97
83) Chrysene	21.422	228	113129	3.674	ng	94
88) Benzo(b)fluoranthene	23.063	252	155709	4.787	ng	94
89) Benzo(k)fluoranthene	23.110	252	88474m	2.848	ng	
90) Benzo(a)pyrene	23.692	252	99225	3.429	ng	# 93
92) Benzo(g,h,i)perylene	27.098	276	76048	2.307	ng	97

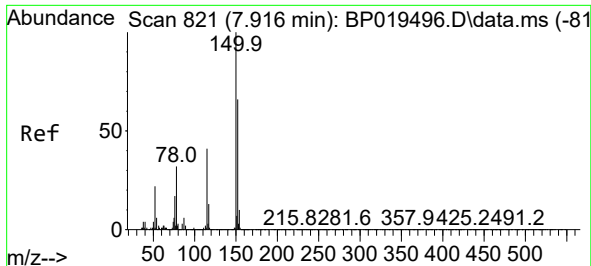
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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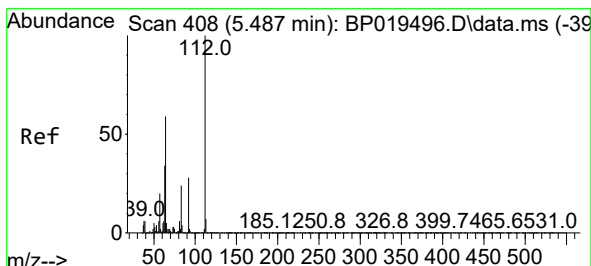
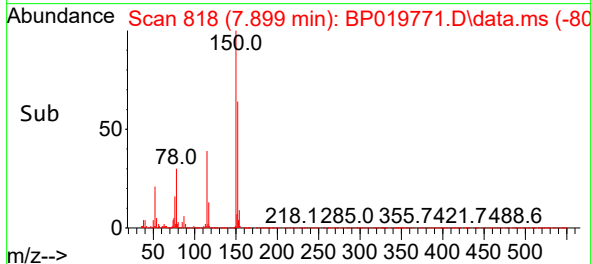
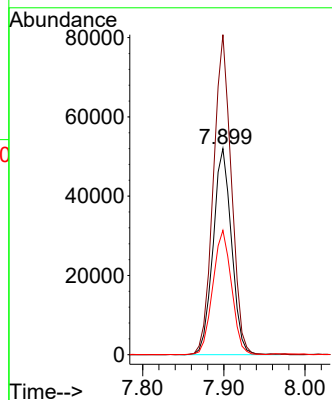
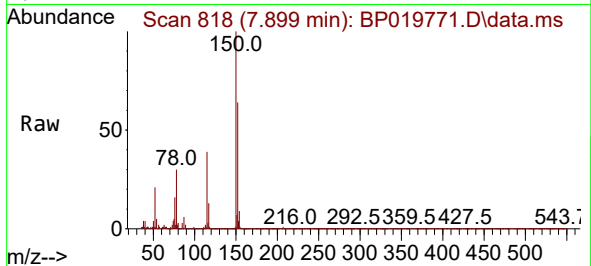




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP019771.D
Acq: 19 Feb 2024 19:44

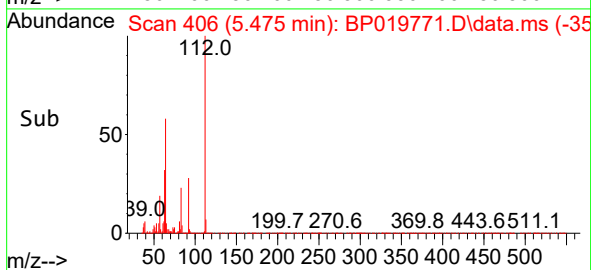
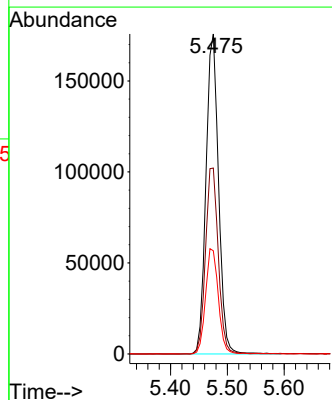
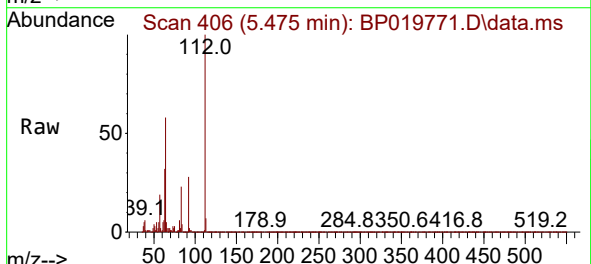
Instrument :
BNA_P
ClientSampleId :
WC-2S

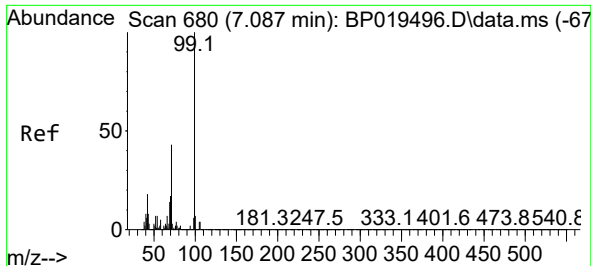
Tgt Ion:152 Resp: 81948
Ion Ratio Lower Upper
152 100
150 155.3 121.8 182.8
115 60.3 49.9 74.9



#5
2-Fluorophenol
Concen: 52.854 ng
RT: 5.475 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP019771.D
Acq: 19 Feb 2024 19:44

Tgt Ion:112 Resp: 268702
Ion Ratio Lower Upper
112 100
64 58.1 47.4 71.0
63 32.2 27.0 40.6

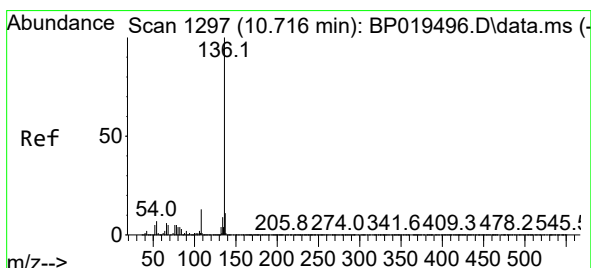
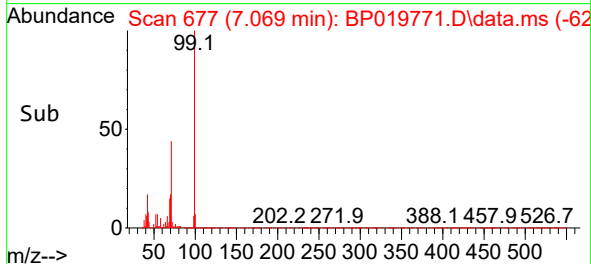
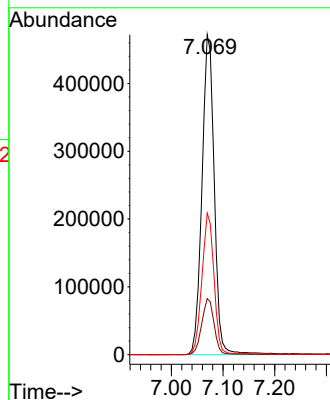
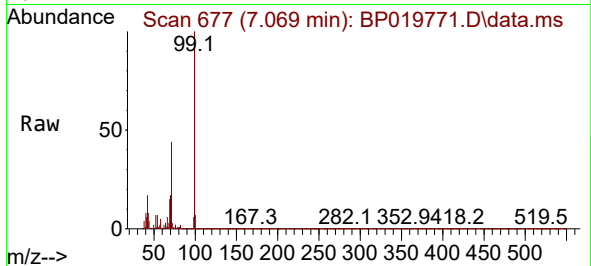




#7
Phenol-d6
Concen: 114.070 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP019771.D
Acq: 19 Feb 2024 19:44

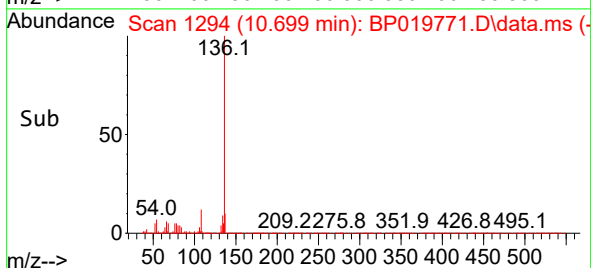
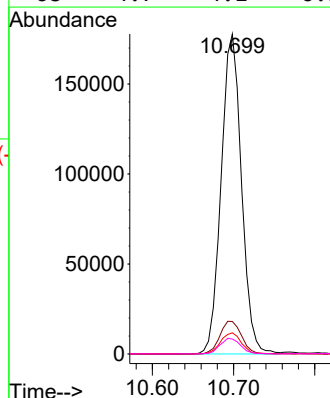
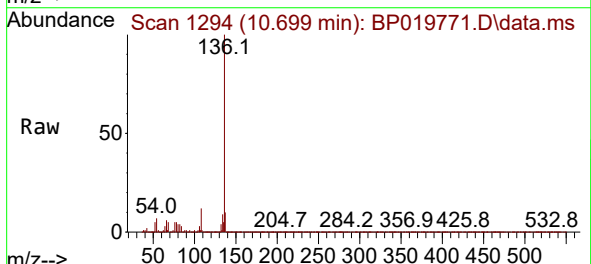
Instrument :
BNA_P
ClientSampleId :
WC-2S

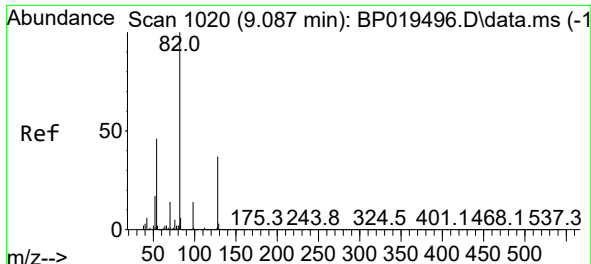
Tgt Ion: 99 Resp: 781939
Ion Ratio Lower Upper
99 100
42 17.5 14.7 22.1
71 44.3 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.699 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BP019771.D
Acq: 19 Feb 2024 19:44

Tgt Ion: 136 Resp: 309554
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 6.6 5.3 7.9
68 4.7 4.1 6.1

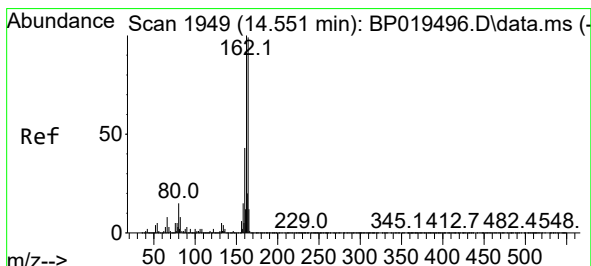
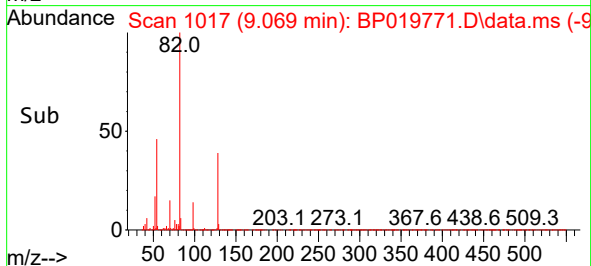
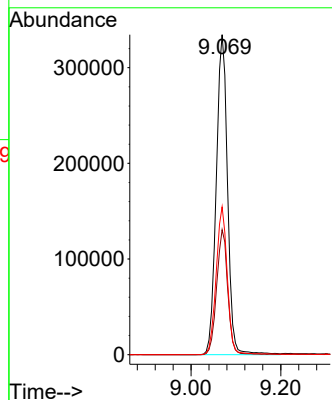
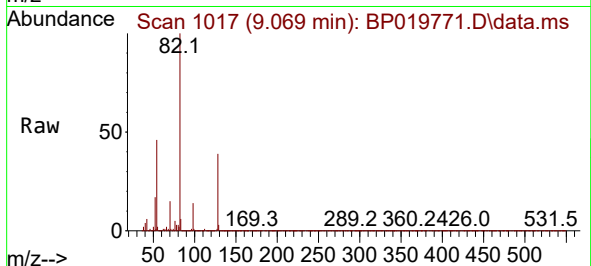




#23
Nitrobenzene-d5
Concen: 81.637 ng
RT: 9.069 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BP019771.D
Acq: 19 Feb 2024 19:44

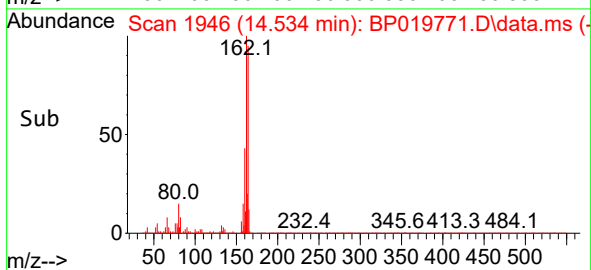
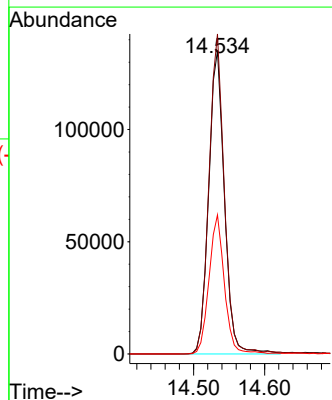
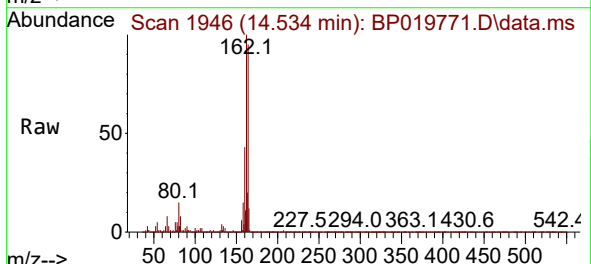
Instrument :
BNA_P
ClientSampleId :
WC-2S

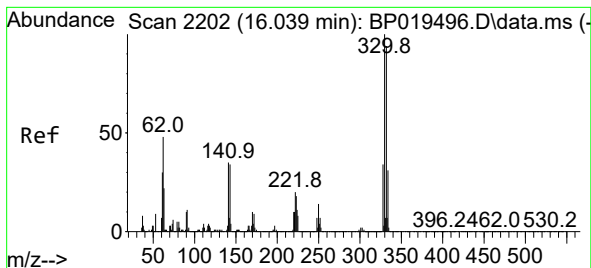
Tgt Ion: 82 Resp: 583204
Ion Ratio Lower Upper
82 100
128 39.1 29.7 44.5
54 46.2 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP019771.D
Acq: 19 Feb 2024 19:44

Tgt Ion: 164 Resp: 208293
Ion Ratio Lower Upper
164 100
162 105.5 81.2 121.8
160 45.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 57.724 ng

RT: 16.028 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

Instrument :

BNA_P

ClientSampleId :

WC-2S

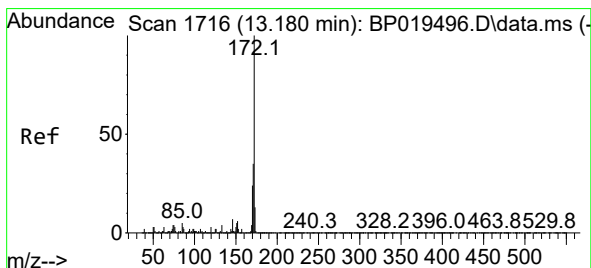
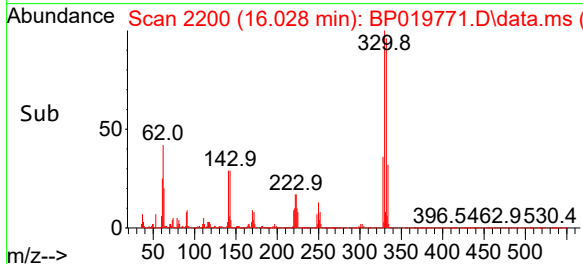
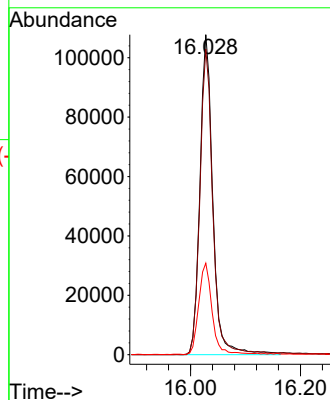
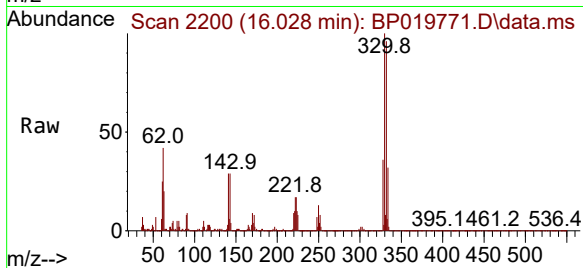
Tgt Ion:330 Resp: 175553

Ion Ratio Lower Upper

330 100

332 95.5 77.2 115.8

141 29.6 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 83.354 ng

RT: 13.163 min Scan# 1713

Delta R.T. 0.000 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

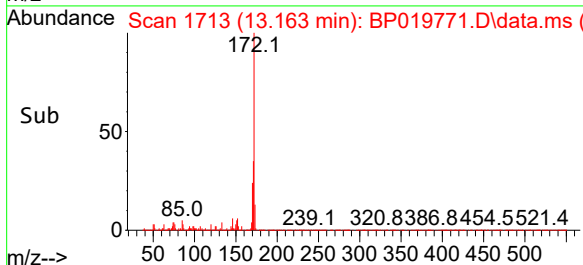
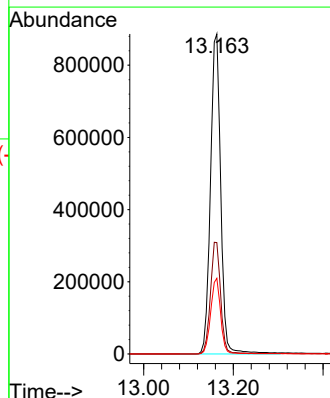
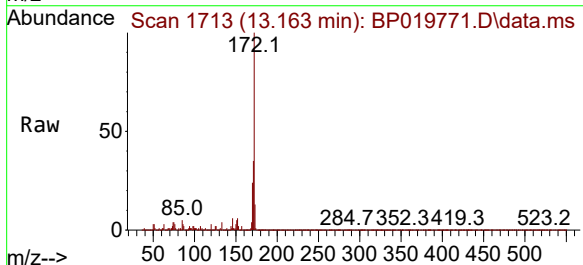
Tgt Ion:172 Resp: 1404430

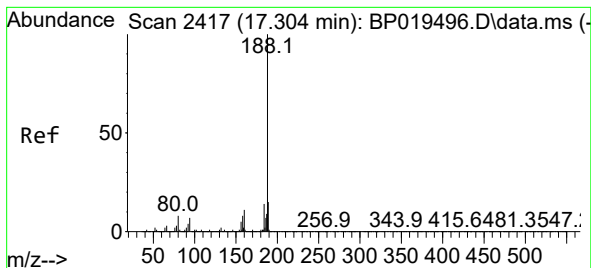
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.6 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.292 min Scan# 2415

Delta R.T. 0.000 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

Instrument :

BNA_P

ClientSampleId :

WC-2S

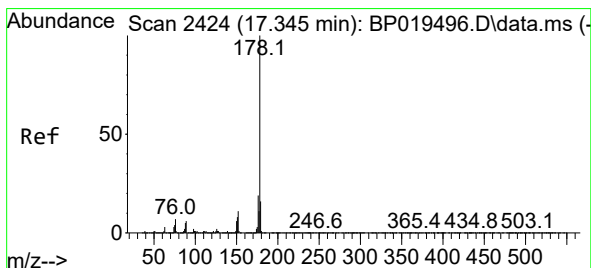
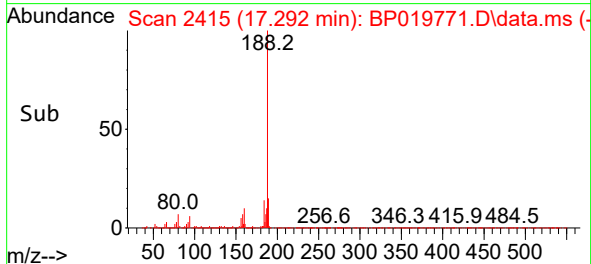
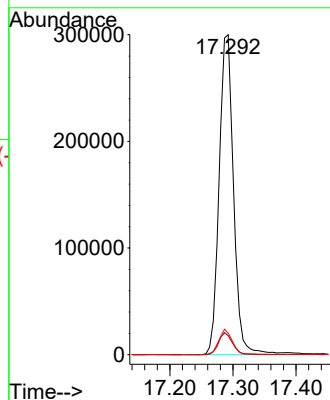
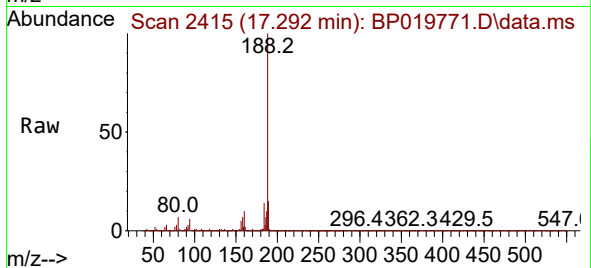
Tgt Ion:188 Resp: 474368

Ion Ratio Lower Upper

188 100

94 5.9 5.4 8.2

80 6.7 6.3 9.5



#71

Phenanthrene

Concen: 2.430 ng

RT: 17.334 min Scan# 2422

Delta R.T. -0.006 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

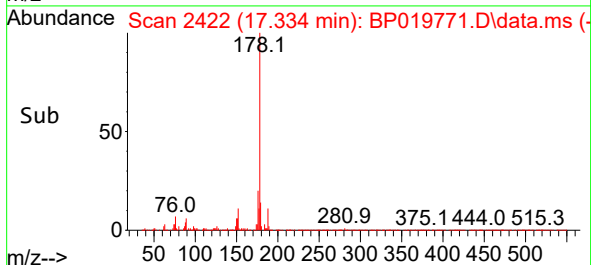
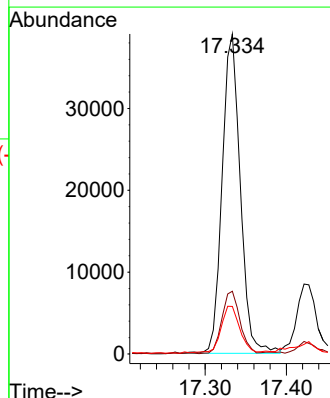
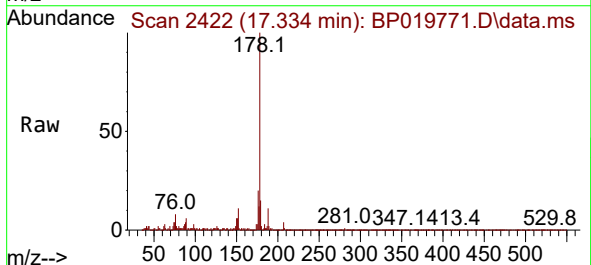
Tgt Ion:178 Resp: 60676

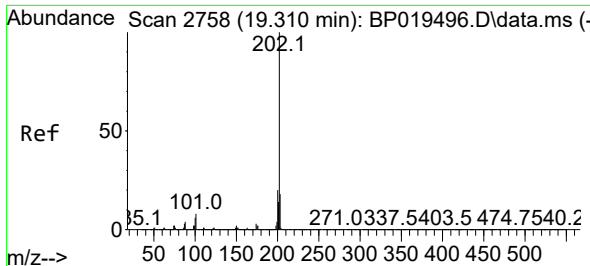
Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 14.9 12.6 19.0

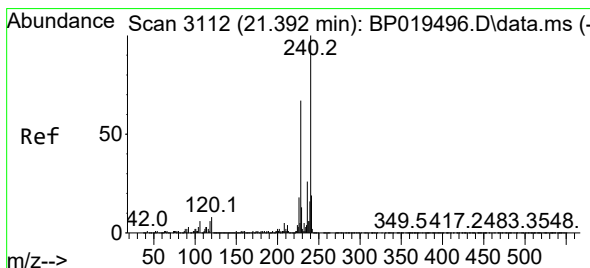
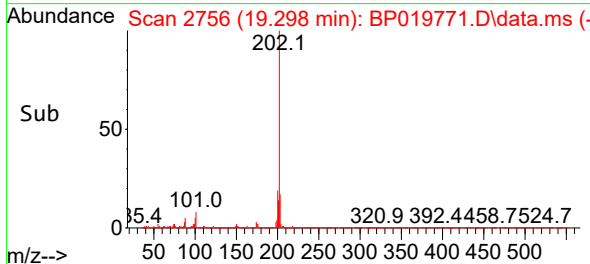
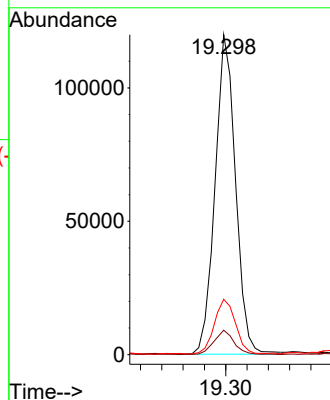
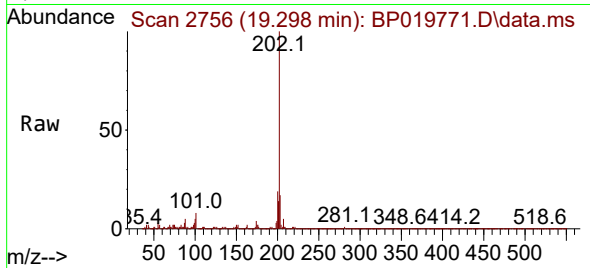




#75
Fluoranthene
Concen: 5.249 ng
RT: 19.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019771.D
Acq: 19 Feb 2024 19:44

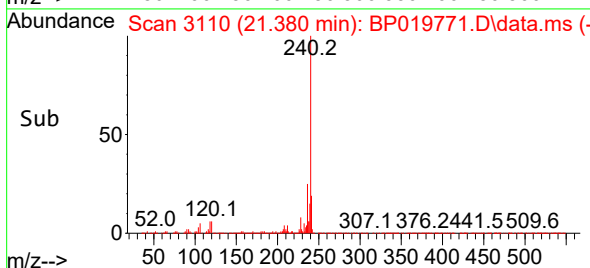
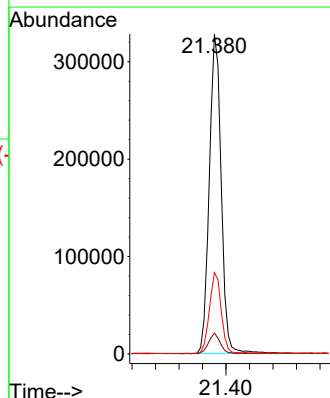
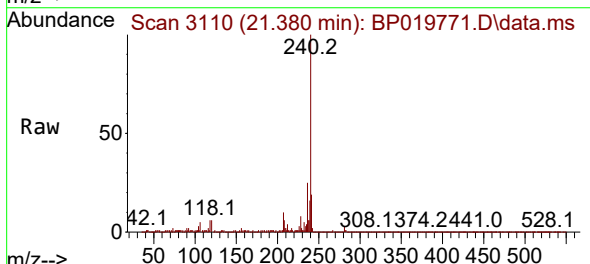
Instrument :
BNA_P
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WC-2S

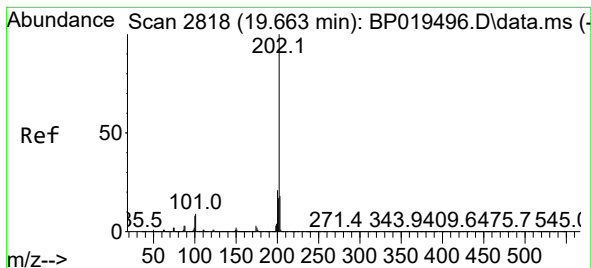
Tgt Ion:202 Resp: 160090
Ion Ratio Lower Upper
202 100
101 7.6 0.0 27.7
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BP019771.D
Acq: 19 Feb 2024 19:44

Tgt Ion:240 Resp: 460784
Ion Ratio Lower Upper
240 100
120 6.5 6.1 9.1
236 25.4 20.7 31.1





#78

Pyrene

Concen: 5.002 ng

RT: 19.651 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

Instrument :

BNA_P

ClientSampleId :

WC-2S

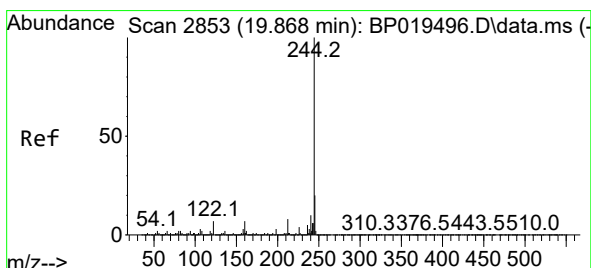
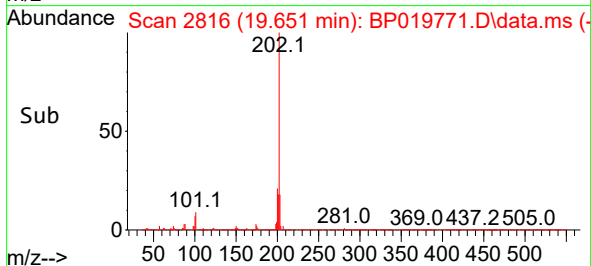
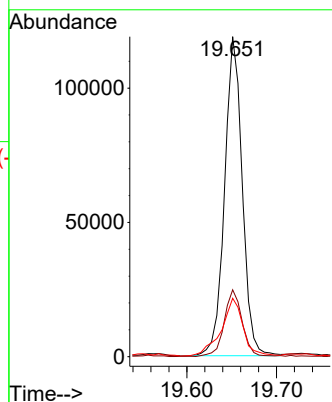
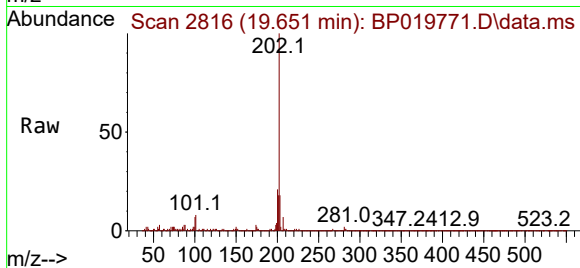
Tgt Ion:202 Resp: 162670

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 18.3 14.2 21.2



#79

Terphenyl-d14

Concen: 90.071 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.006 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

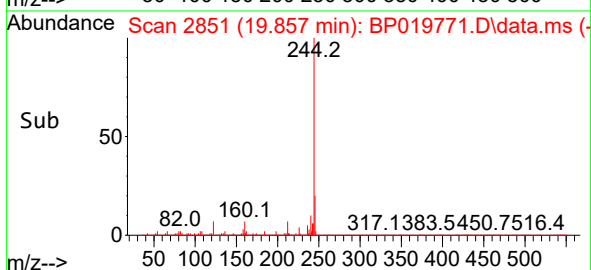
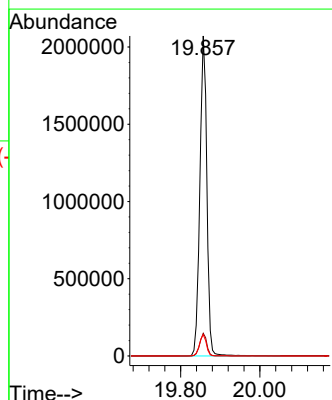
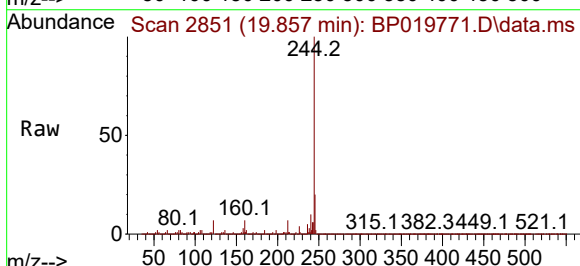
Tgt Ion:244 Resp: 2523704

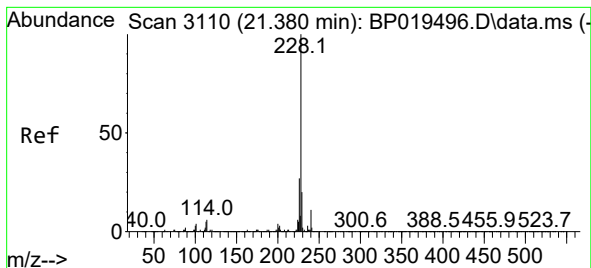
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.7 5.9 8.9





#81

Benzo(a)anthracene

Concen: 3.283 ng

RT: 21.363 min Scan# 3107

Delta R.T. -0.012 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

Instrument :

BNA_P

ClientSampleId :

WC-2S

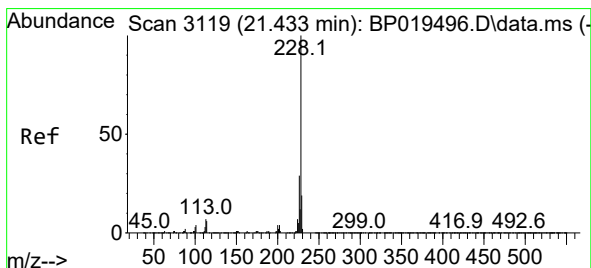
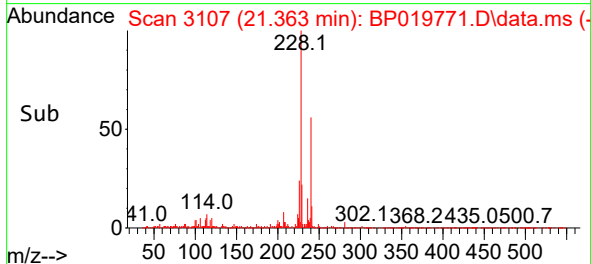
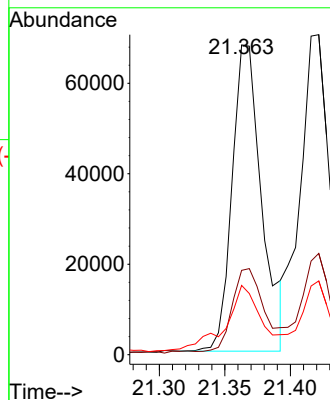
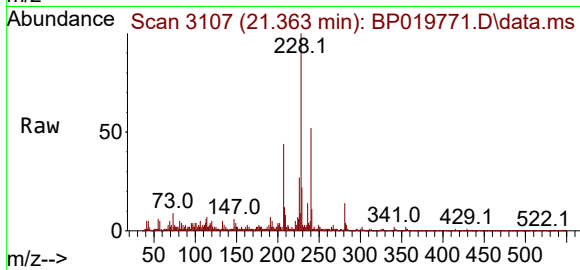
Tgt Ion:228 Resp: 106483

Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

229 22.4 15.6 23.4



#83

Chrysene

Concen: 3.674 ng

RT: 21.422 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

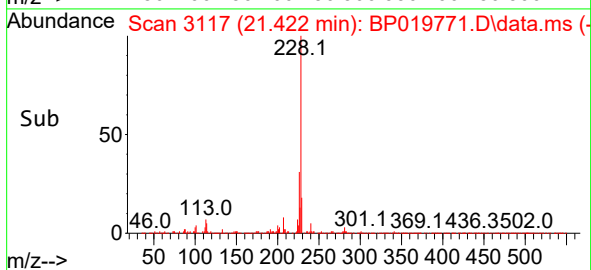
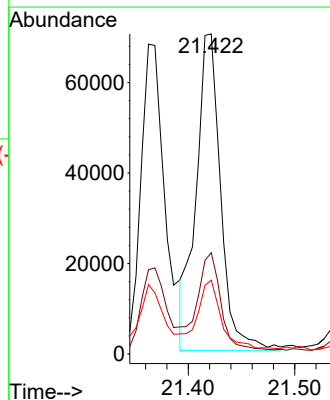
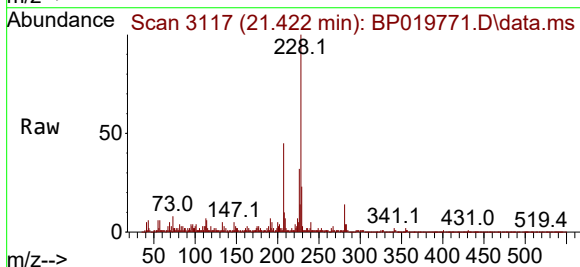
Tgt Ion:228 Resp: 113129

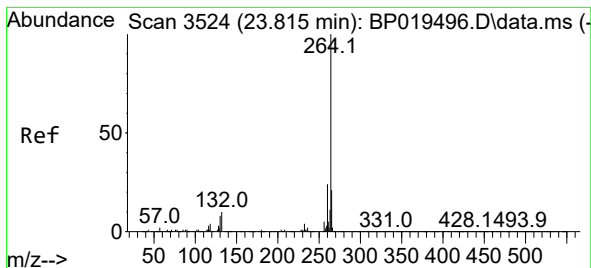
Ion Ratio Lower Upper

228 100

226 31.7 23.4 35.2

229 23.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.798 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

Instrument :

BNA_P

ClientSampleId :

WC-2S

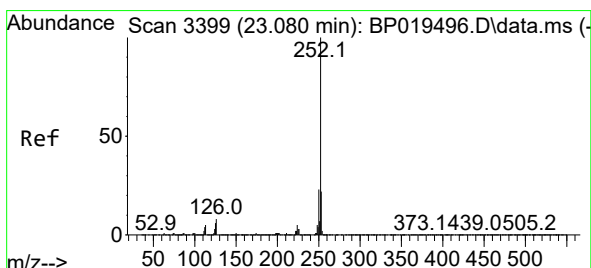
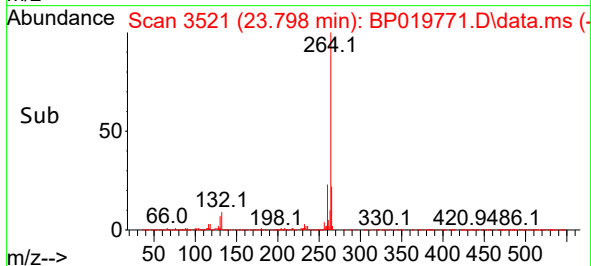
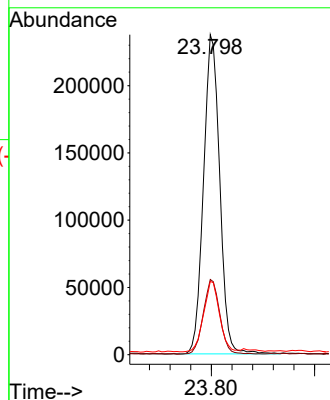
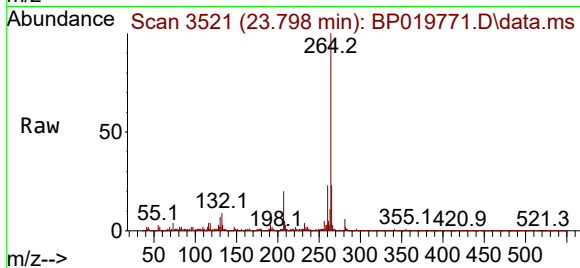
Tgt Ion:264 Resp: 516069

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.9 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 4.787 ng

RT: 23.063 min Scan# 3396

Delta R.T. -0.012 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

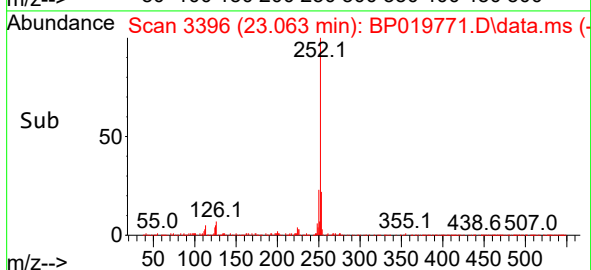
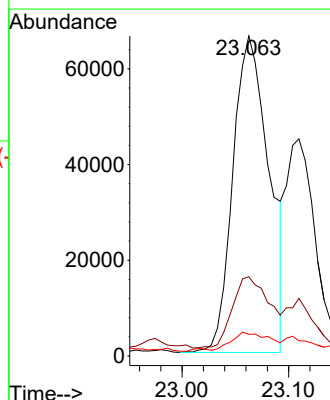
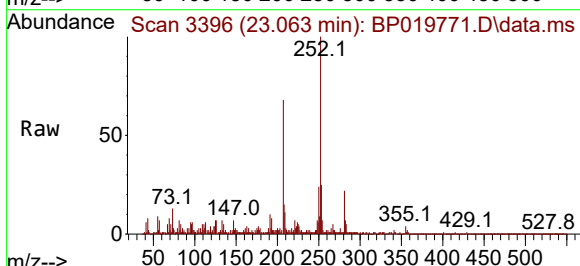
Tgt Ion:252 Resp: 155709

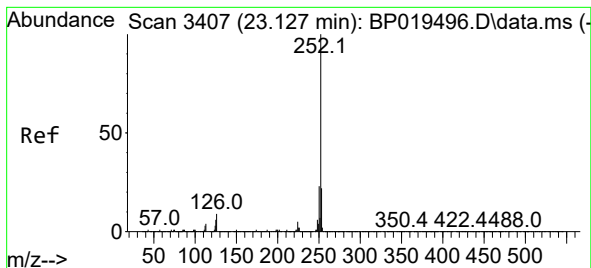
Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

125 6.8 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 2.848 ng m

RT: 23.110 min Scan# 34

Delta R.T. -0.012 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

Instrument :

BNA_P

ClientSampleId :

WC-2S

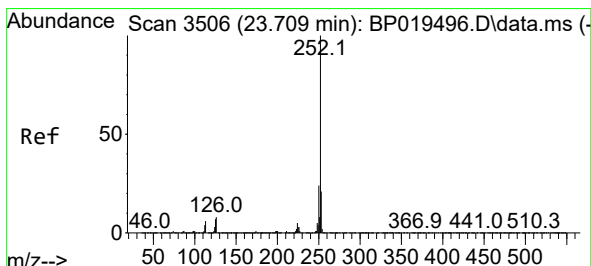
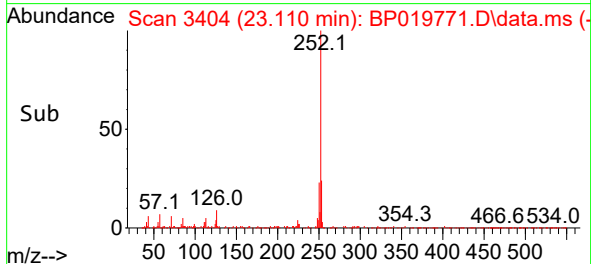
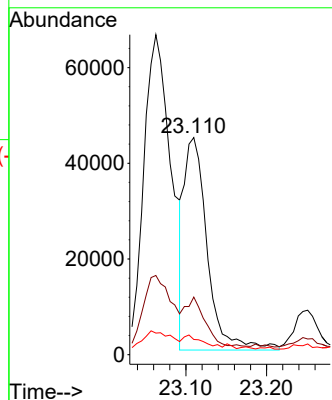
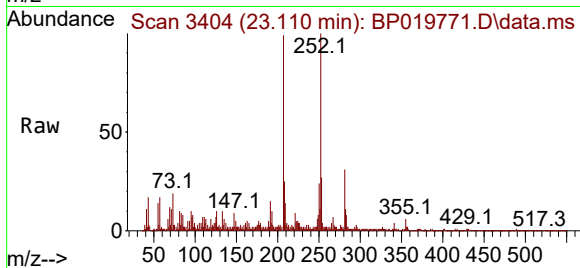
Tgt Ion:252 Resp: 88474

Ion Ratio Lower Upper

252 100

253 26.5 17.1 25.7#

125 7.0 5.0 7.6



#90

Benzo(a)pyrene

Concen: 3.429 ng

RT: 23.692 min Scan# 3503

Delta R.T. -0.012 min

Lab File: BP019771.D

Acq: 19 Feb 2024 19:44

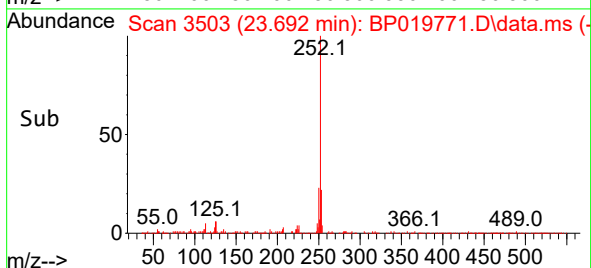
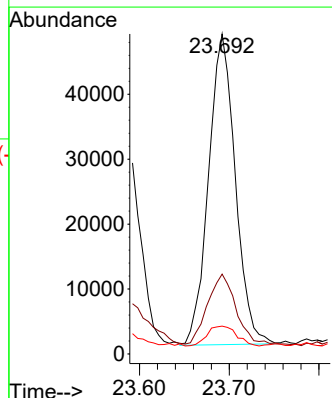
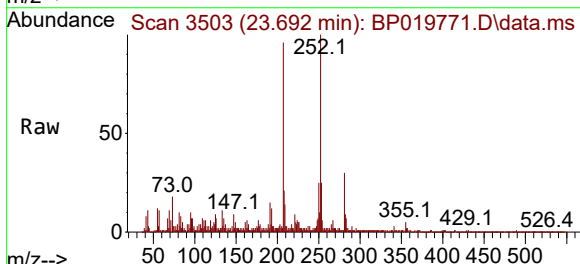
Tgt Ion:252 Resp: 99225

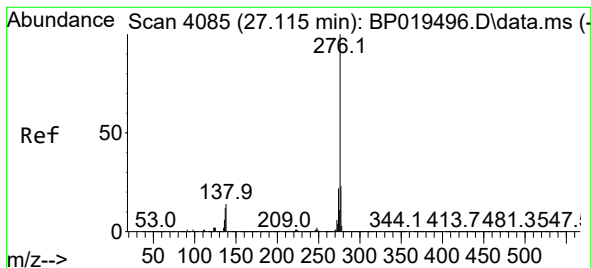
Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

125 8.7 5.6 8.4#





#92

Benzo(g,h,i)perylene

Concen: 2.307 ng

RT: 27.098 min Scan# 4082

Delta R.T. -0.023 min

Lab File: BP019771.D

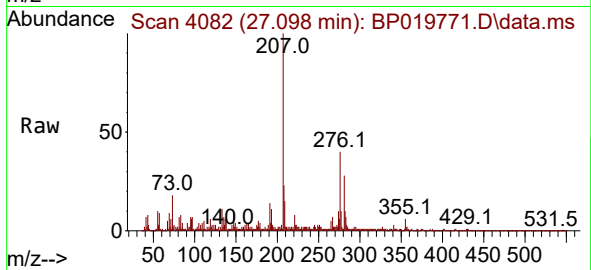
Acq: 19 Feb 2024 19:44

Instrument :

BNA_P

ClientSampleId :

WC-2S



Tgt Ion:276 Resp: 76048

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 15.0 10.9 16.3

