

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022024\
 Data File : BP019797.D
 Acq On : 20 Feb 2024 21:33
 Operator : MA/JU
 Sample : P1141-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EB-3-2-4

Quant Time: Feb 20 23:56:29 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

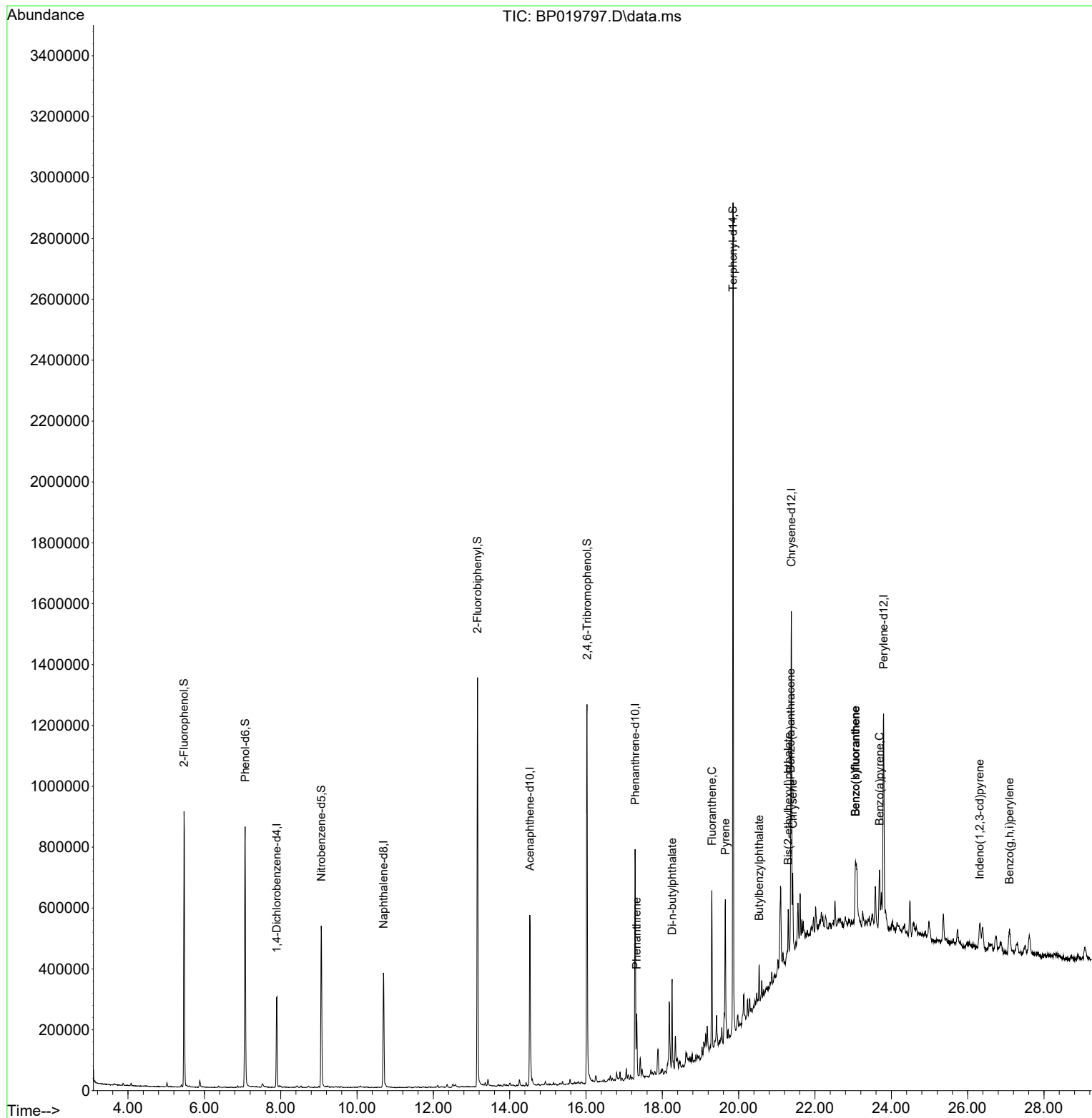
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	82876	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	310865	20.000	ng	0.00
39) Acenaphthene-d10	14.528	164	208456	20.000	ng	-0.01
64) Phenanthrene-d10	17.286	188	495963	20.000	ng	0.00
76) Chrysene-d12	21.380	240	521609	20.000	ng	-0.01
86) Perylene-d12	23.798	264	589401	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	373487	72.642	ng	0.00
7) Phenol-d6	7.069	99	485213	69.991	ng	0.00
23) Nitrobenzene-d5	9.063	82	332318	46.322	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	287465	94.449	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	723786	42.923	ng	0.00
79) Terphenyl-d14	19.851	244	1369951	43.192	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.328	178	128121	4.909	ng	98
74) Di-n-butylphthalate	18.257	149	206442	7.218	ng	100
75) Fluoranthene	19.298	202	317971	9.972	ng	98
78) Pyrene	19.651	202	297191	8.073	ng	100
80) Butylbenzylphthalate	20.539	149	37723	2.744	ng	98
81) Benzo(a)anthracene	21.363	228	175058	4.768	ng	96
83) Chrysene	21.416	228	156175	4.480	ng	97
84) Bis(2-ethylhexyl)phtha...	21.298	149	59393	2.837	ng	98
87) Indeno(1,2,3-cd)pyrene	26.315	276	105998	2.349	ng	# 96
88) Benzo(b)fluoranthene	23.063	252	210048	5.654	ng	# 93
89) Benzo(k)fluoranthene	23.063	252	210048	5.919	ng	# 93
90) Benzo(a)pyrene	23.692	252	153881	4.656	ng	# 97
92) Benzo(g,h,i)perylene	27.098	276	110087	2.924	ng	94

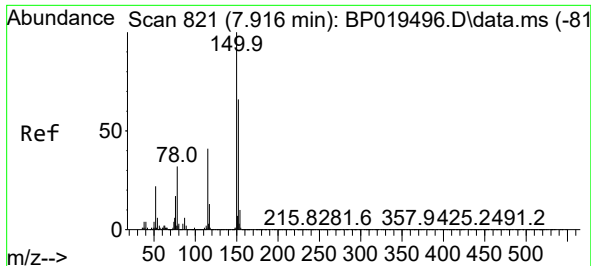
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022024\
Data File : BP019797.D
Acq On : 20 Feb 2024 21:33
Operator : MA/JU
Sample : P1141-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-3-2-4

Quant Time: Feb 20 23:56:29 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

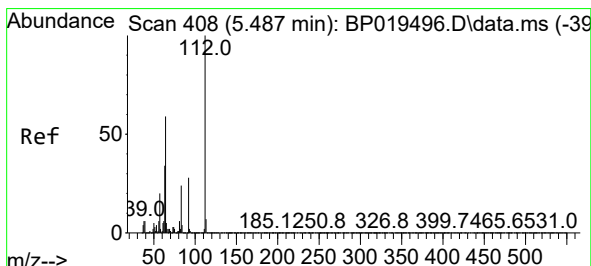
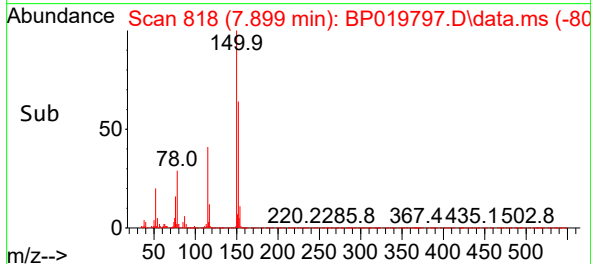
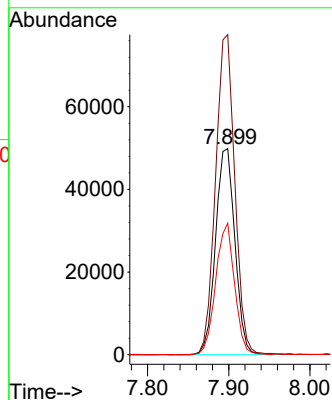
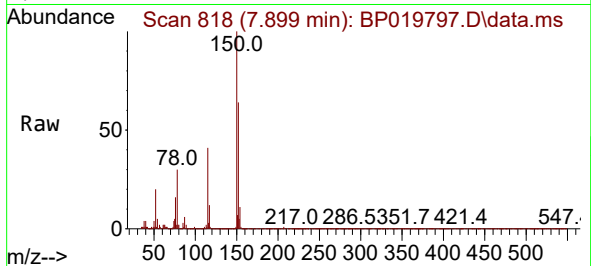




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP019797.D
Acq: 20 Feb 2024 21:33

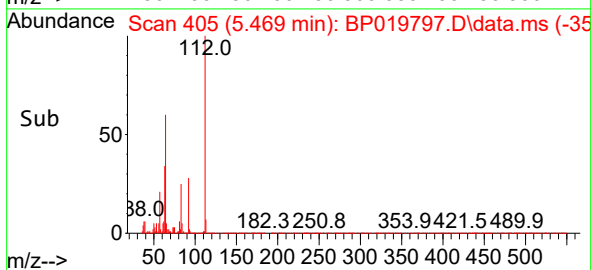
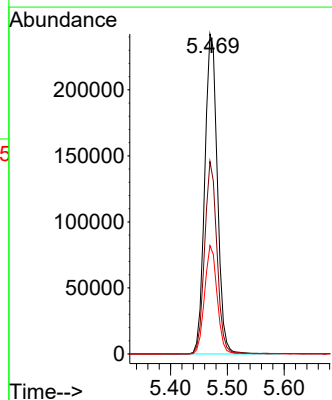
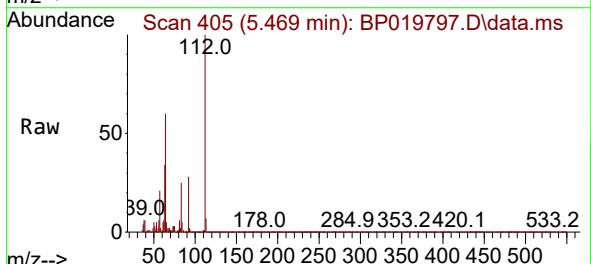
Instrument :
BNA_P
ClientSampleId :
EB-3-2-4

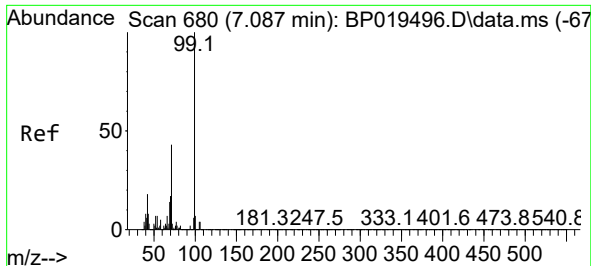
Tgt Ion:152 Resp: 82876
Ion Ratio Lower Upper
152 100
150 155.3 121.8 182.8
115 63.8 49.9 74.9



#5
2-Fluorophenol
Concen: 72.642 ng
RT: 5.469 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP019797.D
Acq: 20 Feb 2024 21:33

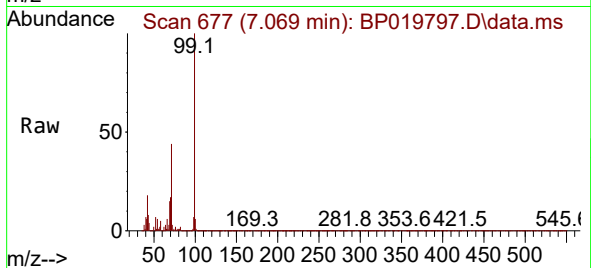
Tgt Ion:112 Resp: 373487
Ion Ratio Lower Upper
112 100
64 60.2 47.4 71.0
63 33.9 27.0 40.6



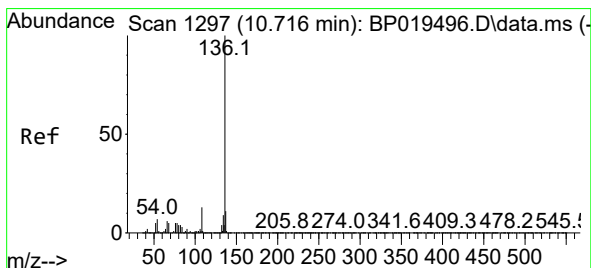
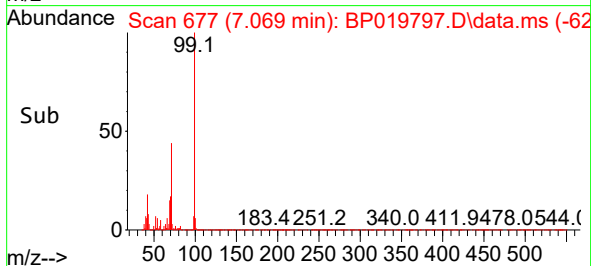
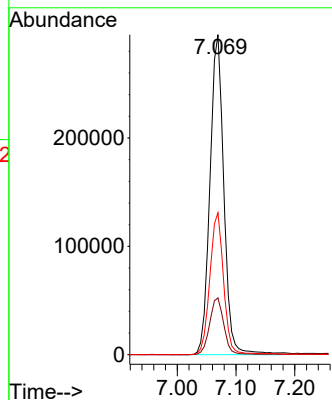


#7
Phenol-d6
Concen: 69.991 ng
RT: 7.069 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP019797.D
Acq: 20 Feb 2024 21:33

Instrument :
BNA_P
ClientSampleId :
EB-3-2-4

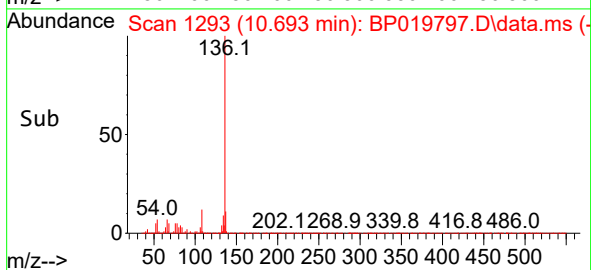
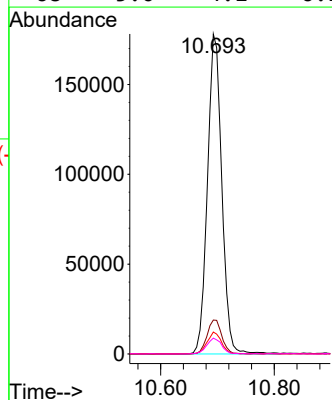
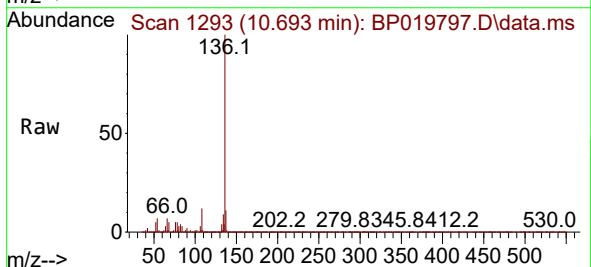


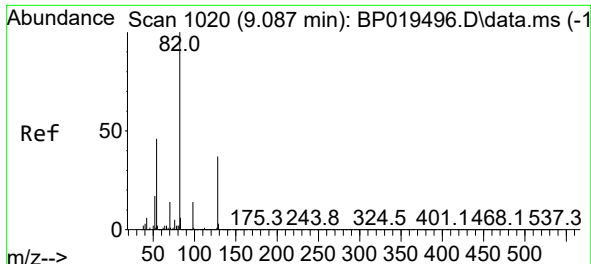
Tgt Ion: 99 Resp: 485213
Ion Ratio Lower Upper
99 100
42 17.7 14.7 22.1
71 44.3 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP019797.D
Acq: 20 Feb 2024 21:33

Tgt Ion: 136 Resp: 310865
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 6.8 5.3 7.9
68 5.0 4.1 6.1





#23

Nitrobenzene-d5

Concen: 46.322 ng

RT: 9.063 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

Instrument :

BNA_P

ClientSampleId :

EB-3-2-4

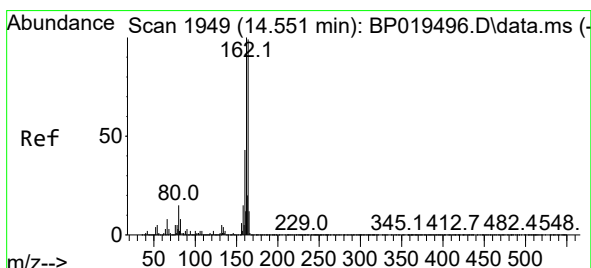
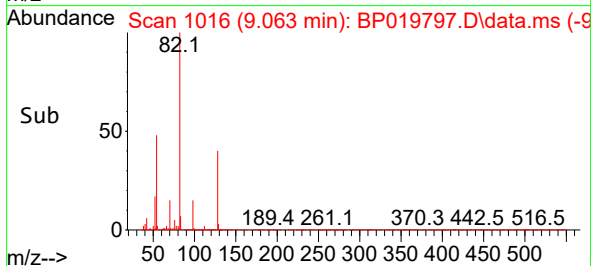
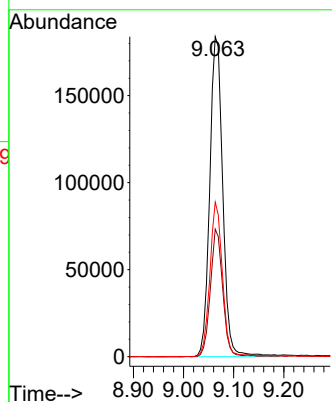
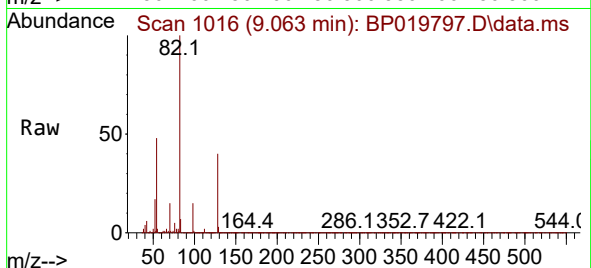
Tgt Ion: 82 Resp: 332318

Ion Ratio Lower Upper

82 100

128 39.8 29.7 44.5

54 48.3 36.8 55.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.528 min Scan# 1945

Delta R.T. -0.012 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

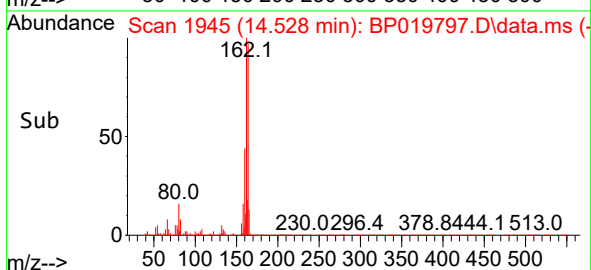
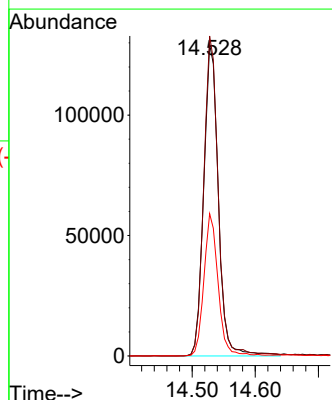
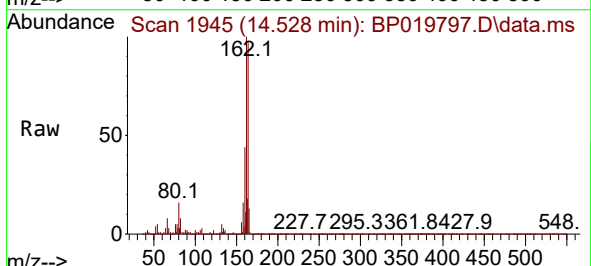
Tgt Ion:164 Resp: 208456

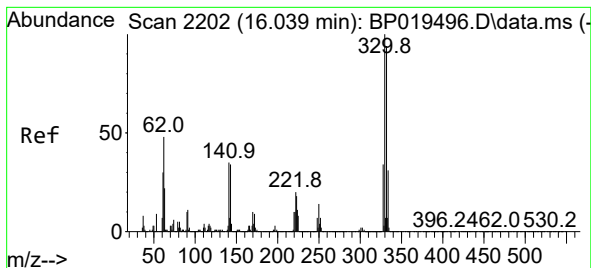
Ion Ratio Lower Upper

164 100

162 102.6 81.2 121.8

160 45.6 35.1 52.7

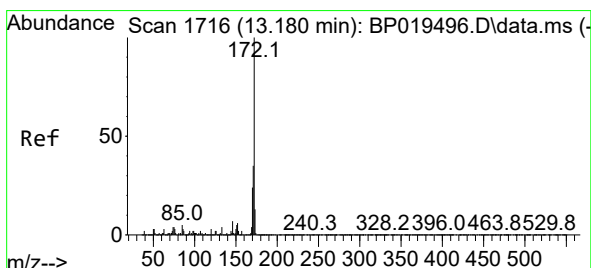
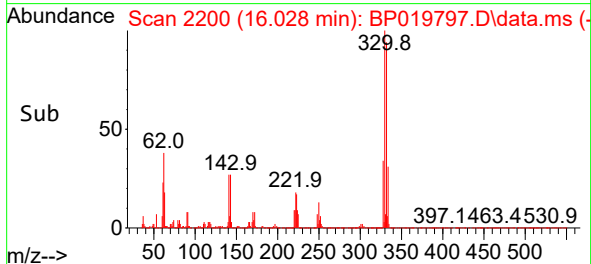
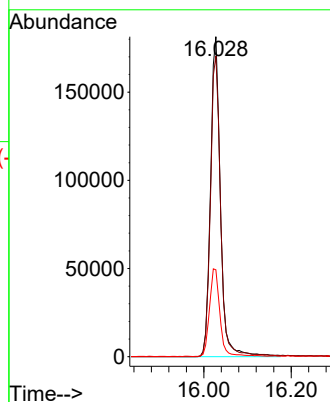
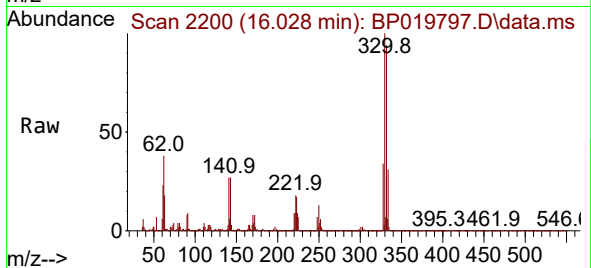




#42
2,4,6-Tribromophenol
Concen: 94.449 ng
RT: 16.028 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019797.D
Acq: 20 Feb 2024 21:33

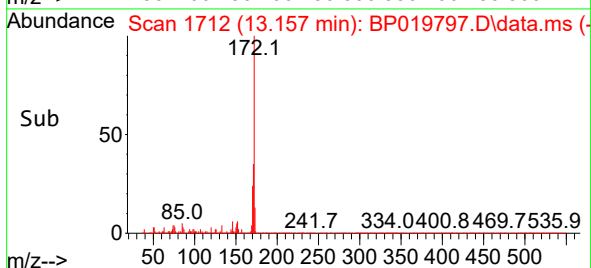
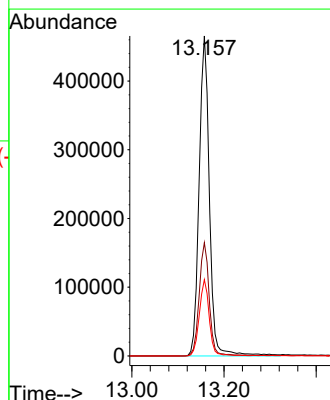
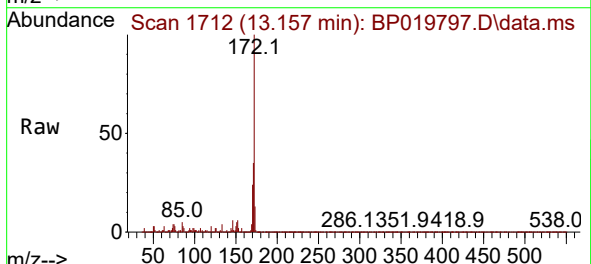
Instrument :
BNA_P
ClientSampleId :
EB-3-2-4

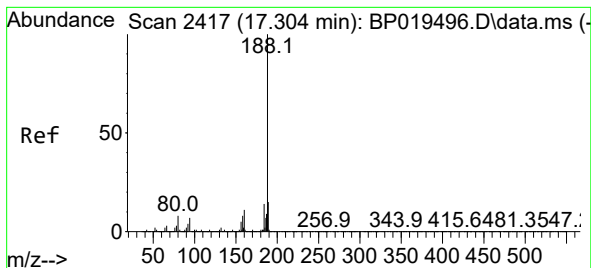
Tgt Ion:330 Resp: 287465
Ion Ratio Lower Upper
330 100
332 96.2 77.2 115.8
141 29.0 27.0 40.4



#45
2-Fluorobiphenyl
Concen: 42.923 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP019797.D
Acq: 20 Feb 2024 21:33

Tgt Ion:172 Resp: 723786
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.8 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.286 min Scan# 2414

Delta R.T. -0.006 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

Instrument :

BNA_P

ClientSampleId :

EB-3-2-4

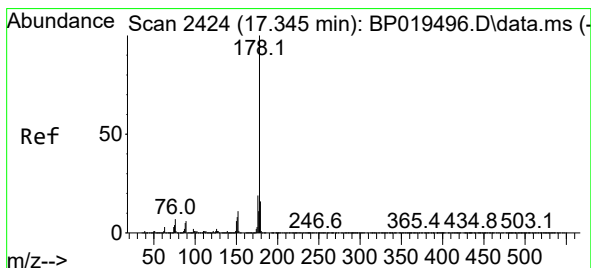
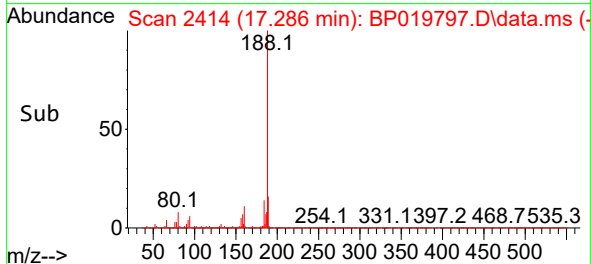
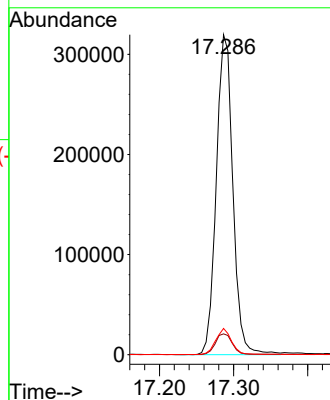
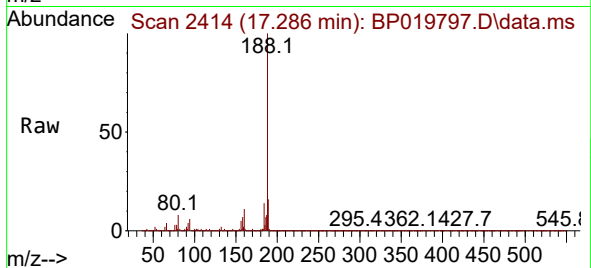
Tgt Ion:188 Resp: 495963

Ion Ratio Lower Upper

188 100

94 6.5 5.4 8.2

80 8.2 6.3 9.5



#71

Phenanthrene

Concen: 4.909 ng

RT: 17.328 min Scan# 2421

Delta R.T. -0.012 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

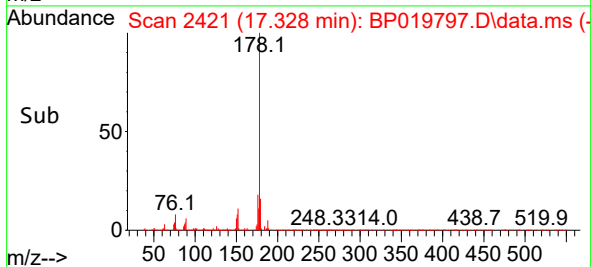
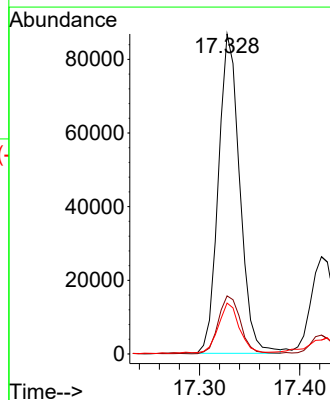
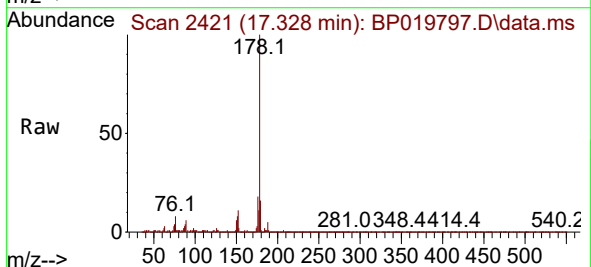
Tgt Ion:178 Resp: 128121

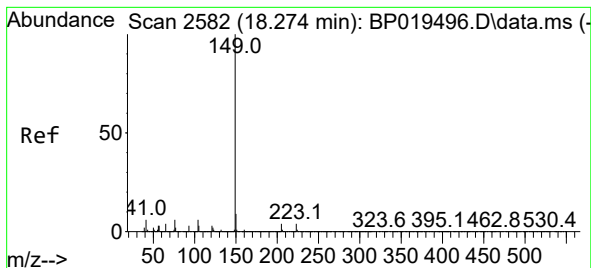
Ion Ratio Lower Upper

178 100

176 18.2 15.5 23.3

179 15.9 12.6 19.0





#74

Di-n-butylphthalate

Concen: 7.218 ng

RT: 18.257 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

Instrument :

BNA_P

ClientSampleId :

EB-3-2-4

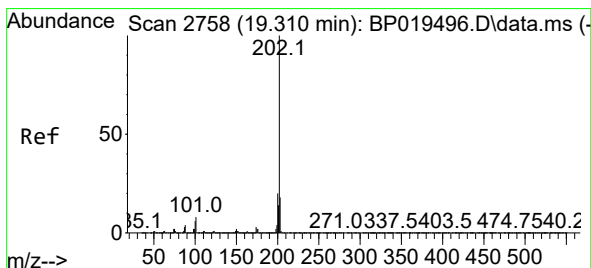
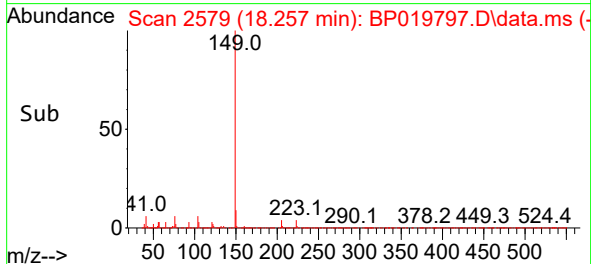
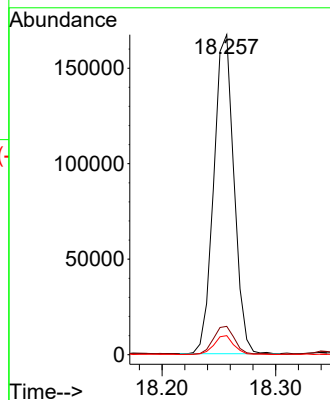
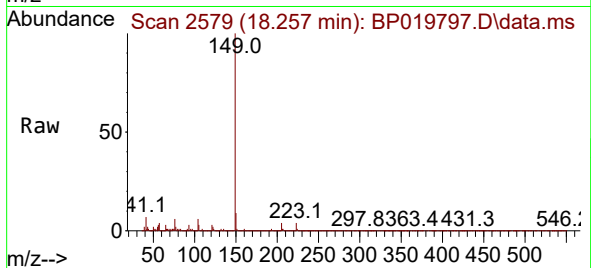
Tgt Ion:149 Resp: 206442

Ion Ratio Lower Upper

149 100

150 8.8 7.3 10.9

104 5.9 4.8 7.2



#75

Fluoranthene

Concen: 9.972 ng

RT: 19.298 min Scan# 2756

Delta R.T. -0.006 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

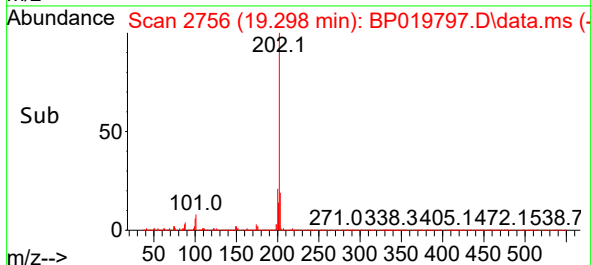
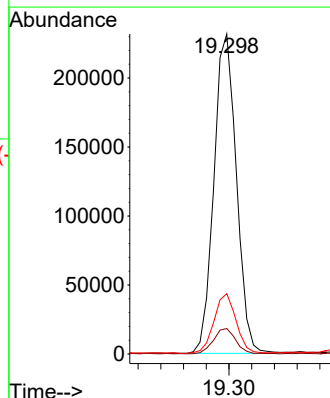
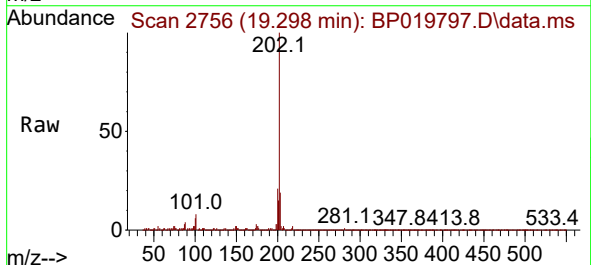
Tgt Ion:202 Resp: 317971

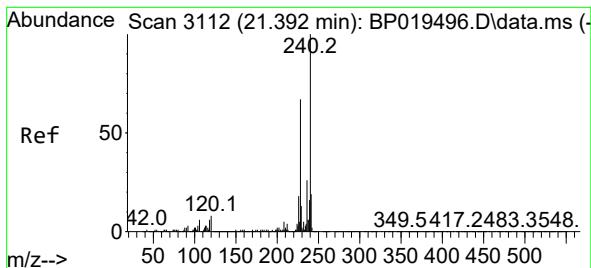
Ion Ratio Lower Upper

202 100

101 7.9 0.0 27.7

203 18.9 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: BP019797.D

Acq: 20 Feb 2024 21:33

Instrument :

BNA_P

ClientSampleId :

EB-3-2-4

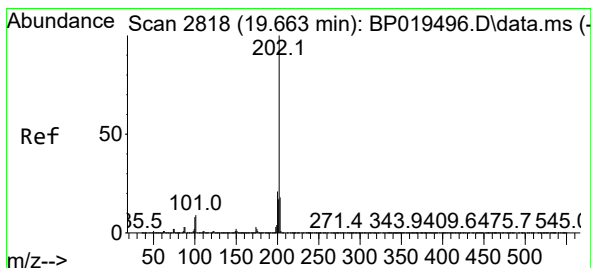
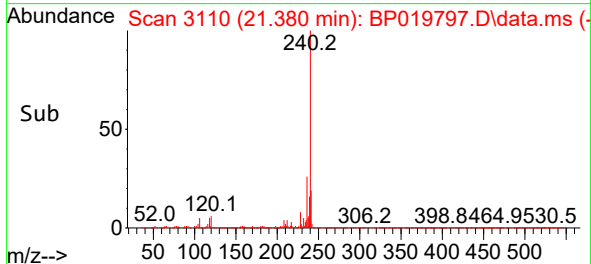
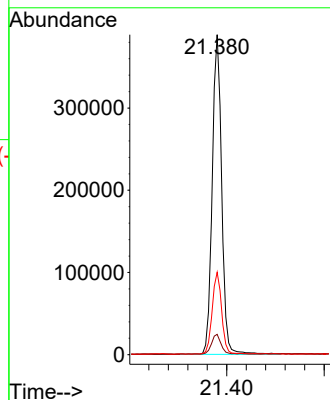
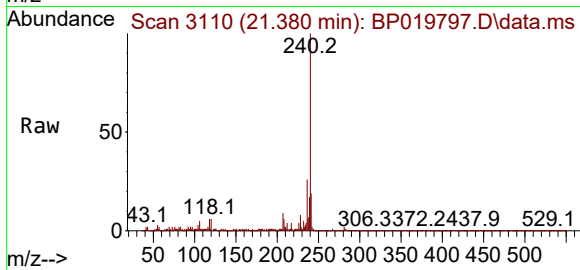
Tgt Ion:240 Resp: 521609

Ion Ratio Lower Upper

240 100

120 6.3 6.1 9.1

236 25.8 20.7 31.1



#78

Pyrene

Concen: 8.073 ng

RT: 19.651 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

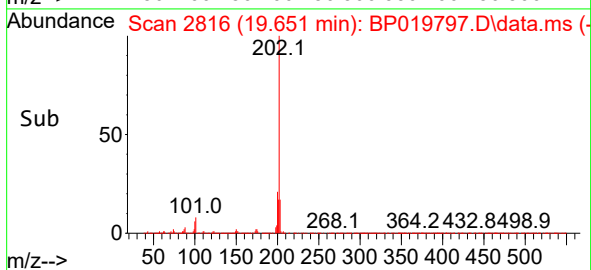
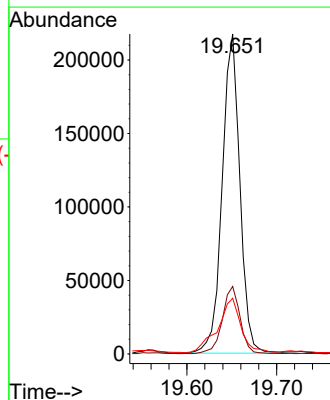
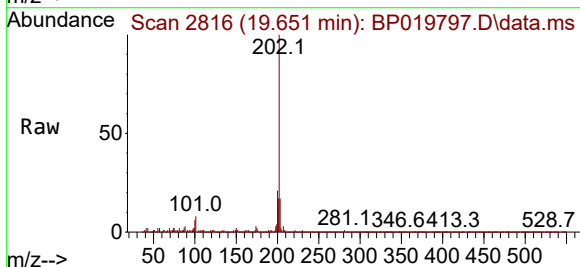
Tgt Ion:202 Resp: 297191

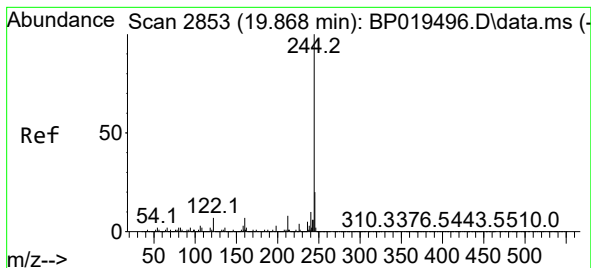
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 43.192 ng

RT: 19.851 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

Instrument :

BNA_P

ClientSampleId :

EB-3-2-4

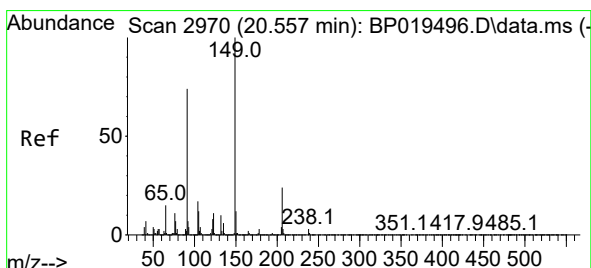
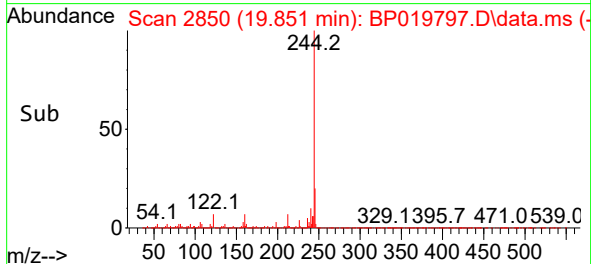
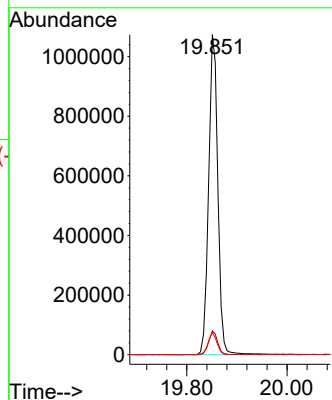
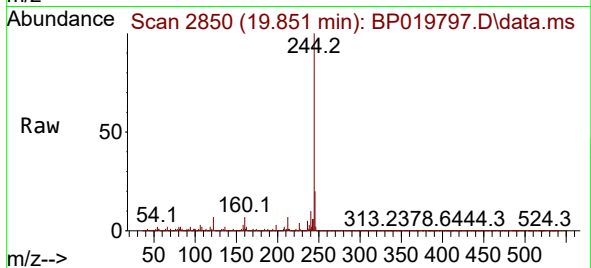
Tgt Ion:244 Resp: 1369951

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 6.9 5.9 8.9



#80

Butylbenzylphthalate

Concen: 2.744 ng

RT: 20.539 min Scan# 2967

Delta R.T. -0.006 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

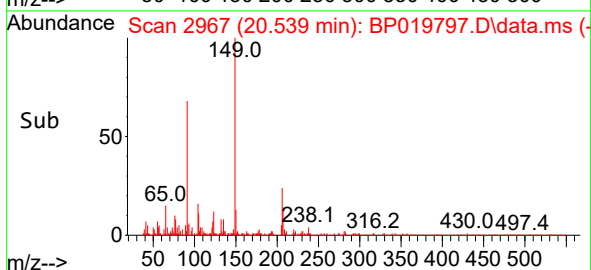
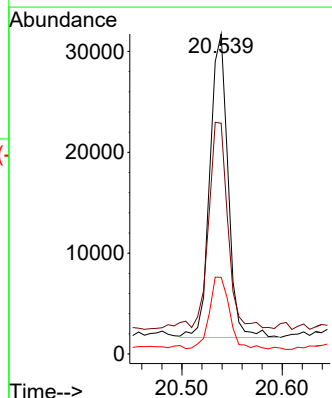
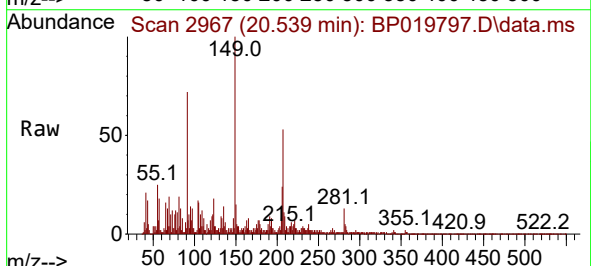
Tgt Ion:149 Resp: 37723

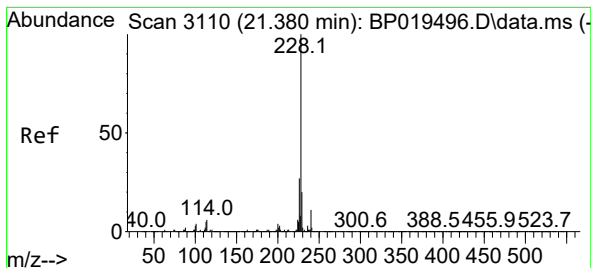
Ion Ratio Lower Upper

149 100

91 72.1 59.4 89.0

206 24.0 19.0 28.6





#81

Benzo(a)anthracene

Concen: 4.768 ng

RT: 21.363 min Scan# 3110

Delta R.T. -0.012 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

Instrument :

BNA_P

ClientSampleId :

EB-3-2-4

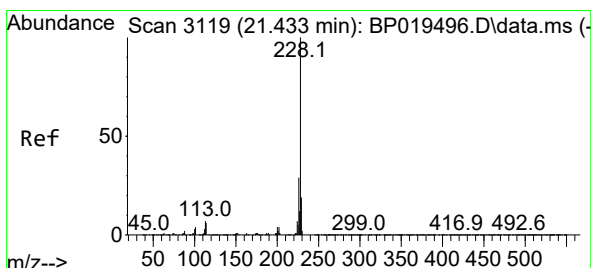
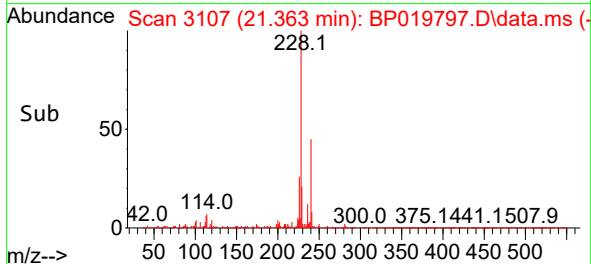
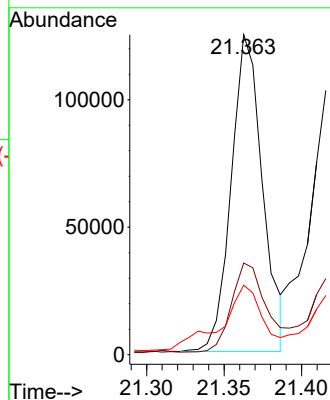
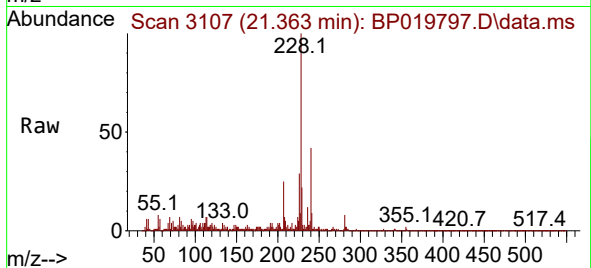
Tgt Ion:228 Resp: 175058

Ion Ratio Lower Upper

228 100

226 28.7 21.7 32.5

229 21.7 15.6 23.4



#83

Chrysene

Concen: 4.480 ng

RT: 21.416 min Scan# 3116

Delta R.T. -0.012 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

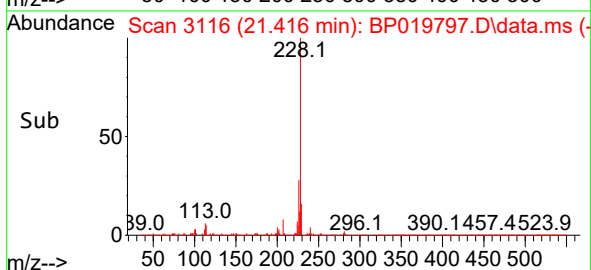
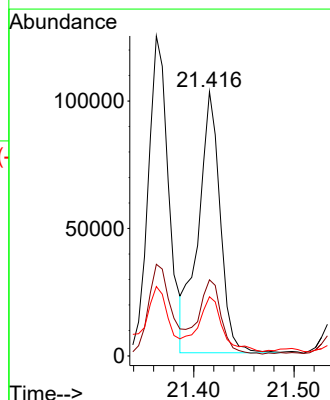
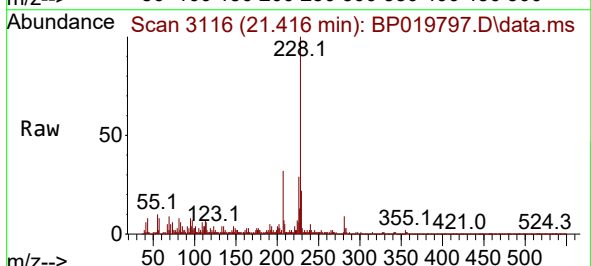
Tgt Ion:228 Resp: 156175

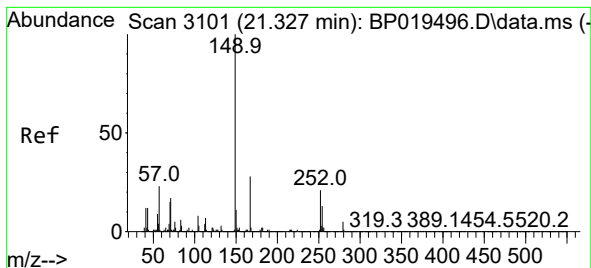
Ion Ratio Lower Upper

228 100

226 28.8 23.4 35.2

229 22.4 15.6 23.4

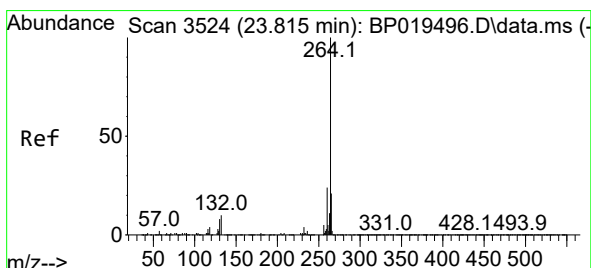
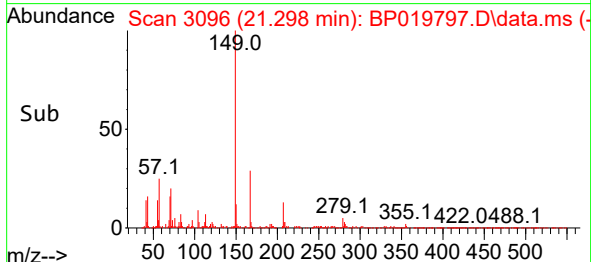
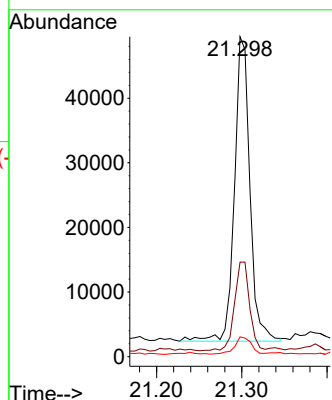
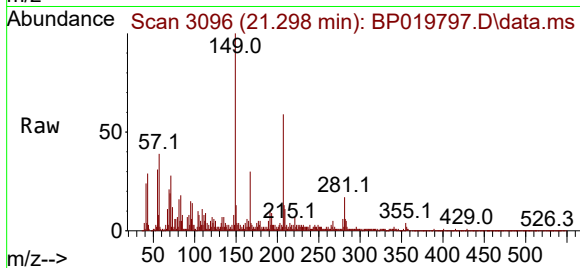




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.837 ng
RT: 21.298 min Scan# 3096
Delta R.T. -0.012 min
Lab File: BP019797.D
Acq: 20 Feb 2024 21:33

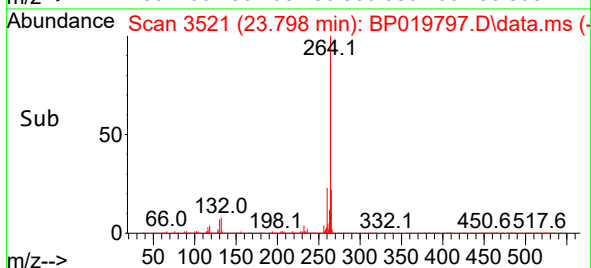
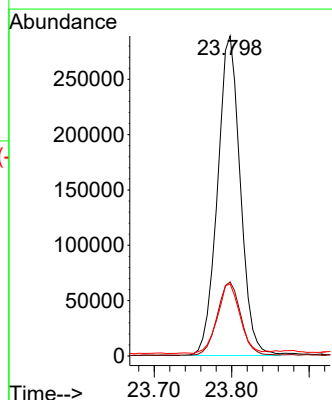
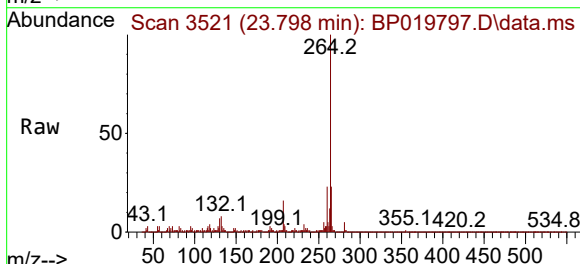
Instrument :
BNA_P
ClientSampleId :
EB-3-2-4

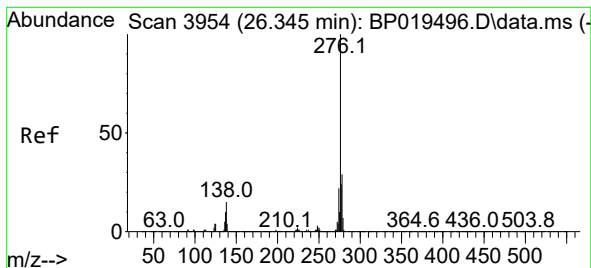
Tgt Ion:149 Resp: 59393
Ion Ratio Lower Upper
149 100
167 29.5 22.7 34.1
279 6.2 4.2 6.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.798 min Scan# 3521
Delta R.T. -0.012 min
Lab File: BP019797.D
Acq: 20 Feb 2024 21:33

Tgt Ion:264 Resp: 589401
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 22.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.349 ng

RT: 26.315 min Scan# 3949

Delta R.T. -0.029 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

Instrument :

BNA_P

ClientSampleId :

EB-3-2-4

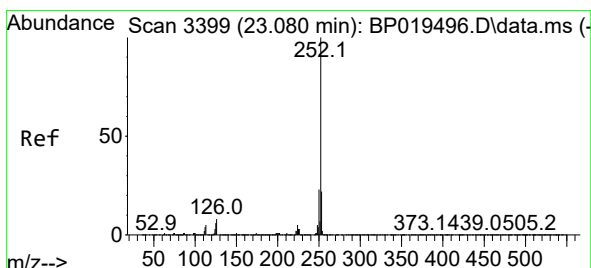
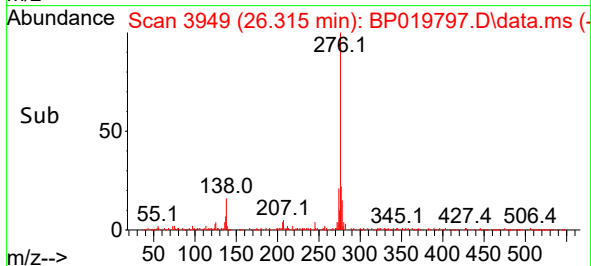
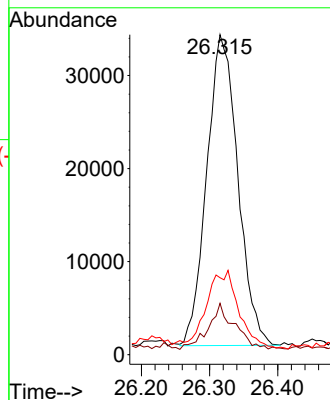
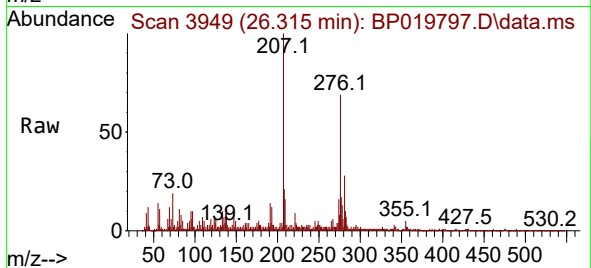
Tgt Ion:276 Resp: 105998

Ion Ratio Lower Upper

276 100

138 12.8 13.1 19.7#

277 25.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 5.654 ng

RT: 23.063 min Scan# 3396

Delta R.T. -0.012 min

Lab File: BP019797.D

Acq: 20 Feb 2024 21:33

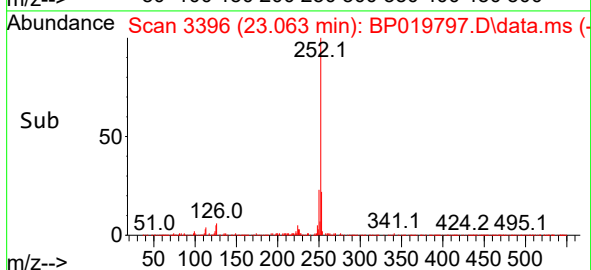
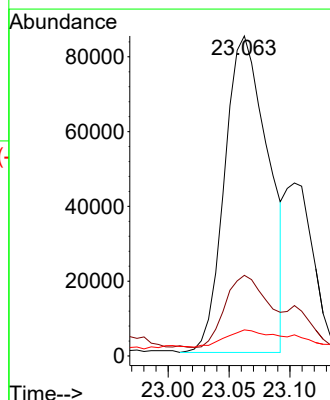
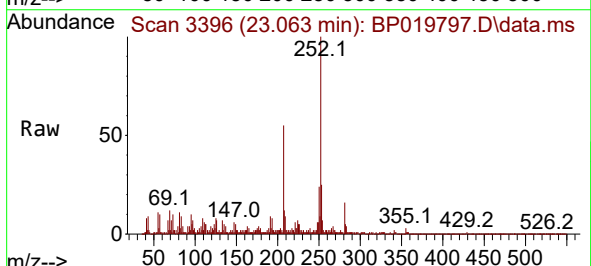
Tgt Ion:252 Resp: 210048

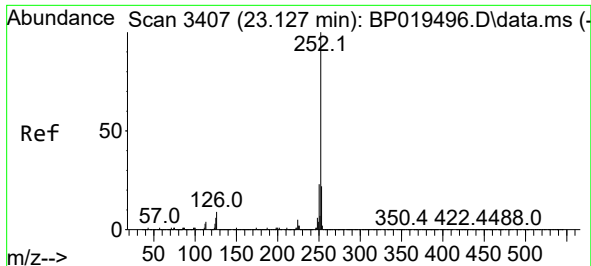
Ion Ratio Lower Upper

252 100

253 25.2 17.3 25.9

125 8.2 4.9 7.3#

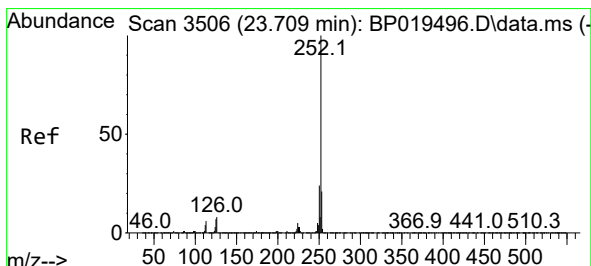
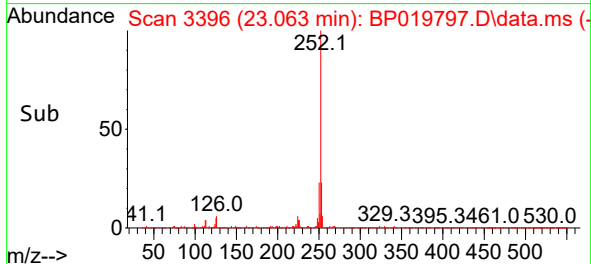
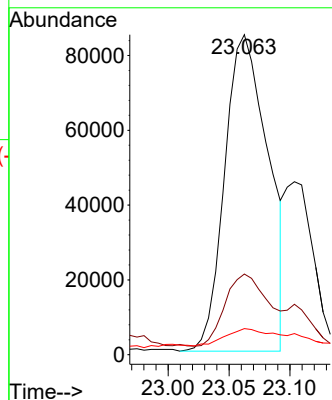
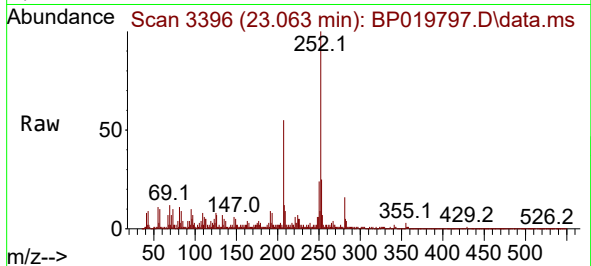




#89
Benzo(k)fluoranthene
Concen: 5.919 ng
RT: 23.063 min Scan# 31
Delta R.T. -0.059 min
Lab File: BP019797.D
Acq: 20 Feb 2024 21:33

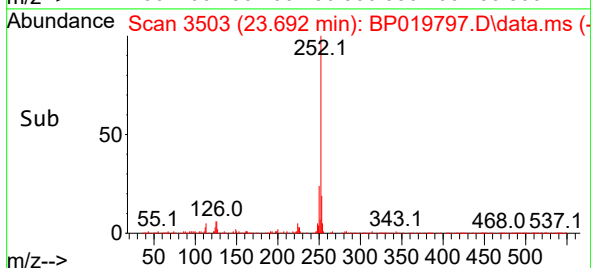
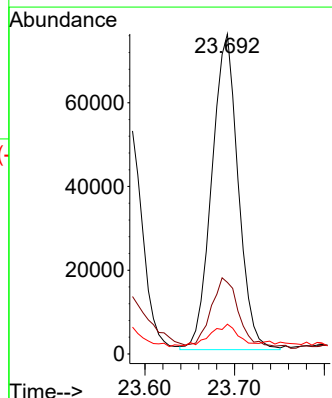
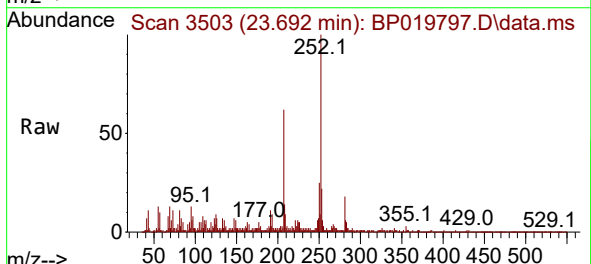
Instrument :
BNA_P
ClientSampleId :
EB-3-2-4

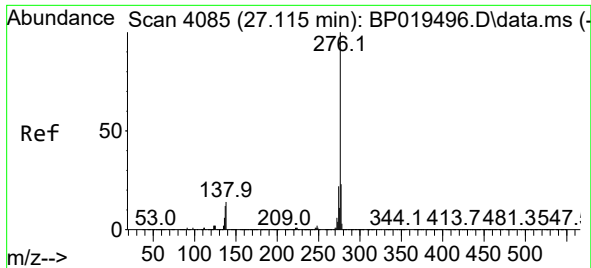
Tgt Ion:252 Resp: 210048
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 8.2 5.0 7.6#



#90
Benzo(a)pyrene
Concen: 4.656 ng
RT: 23.692 min Scan# 3503
Delta R.T. -0.012 min
Lab File: BP019797.D
Acq: 20 Feb 2024 21:33

Tgt Ion:252 Resp: 153881
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 9.3 5.6 8.4#





#92
Benzo(g,h,i)perylene
Concen: 2.924 ng
RT: 27.098 min Scan# 4082
Delta R.T. -0.024 min
Lab File: BP019797.D
Acq: 20 Feb 2024 21:33

Instrument :
BNA_P
ClientSampleId :
EB-3-2-4

Tgt Ion:276 Resp: 110087
Ion Ratio Lower Upper
276 100
277 26.9 18.6 28.0
138 14.6 10.9 16.3

