

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020724\
 Data File : BP019599.D
 Acq On : 07 Feb 2024 18:07
 Operator : MA/JU
 Sample : P1366-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EB-2-6-8

Quant Time: Feb 08 01:31:40 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)

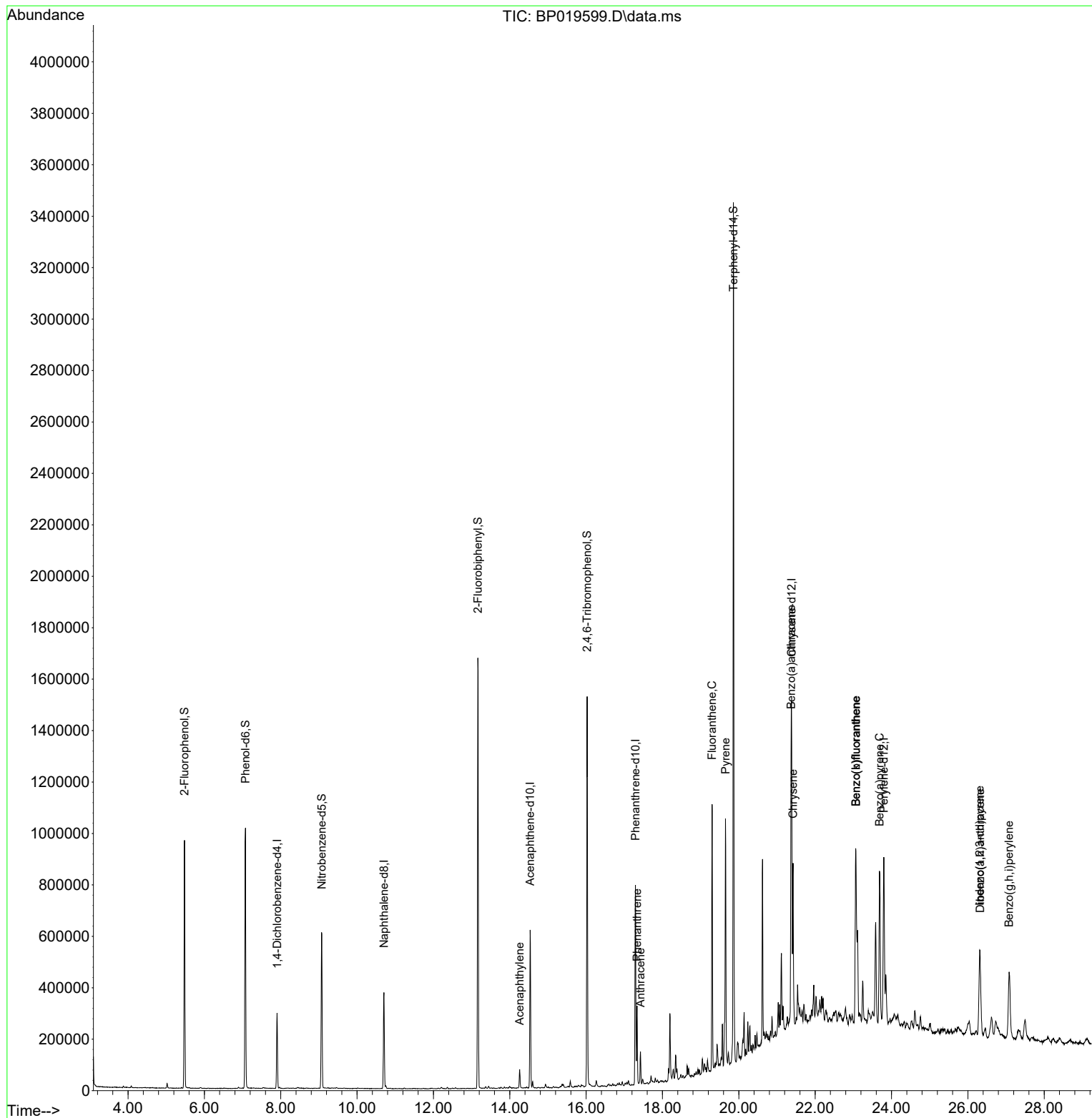
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	77967	20.000	ng	-0.01
21) Naphthalene-d8	10.705	136	303638	20.000	ng	-0.01
39) Acenaphthene-d10	14.534	164	210984	20.000	ng	-0.02
64) Phenanthrene-d10	17.292	188	488103	20.000	ng	-0.01
76) Chrysene-d12	21.380	240	468019	20.000	ng	-0.01
86) Perylene-d12	23.798	264	539022	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	401007	82.906	ng	0.00
7) Phenol-d6	7.075	99	556684	85.356	ng	-0.01
23) Nitrobenzene-d5	9.075	82	372851	53.209	ng	-0.01
42) 2,4,6-Tribromophenol	16.028	330	297763	96.660	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	889513	52.120	ng	-0.02
79) Terphenyl-d14	19.857	244	1590380	55.883	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.257	152	55136	2.843	ng	97
71) Phenanthrene	17.334	178	185566	7.224	ng	99
72) Anthracene	17.422	178	70683	2.758	ng	98
75) Fluoranthene	19.298	202	636994	20.300	ng	100
78) Pyrene	19.651	202	588281	17.810	ng	100
81) Benzo(a)anthracene	21.369	228	452354	13.731	ng	95
83) Chrysene	21.422	228	372304	11.903	ng	98
87) Indeno(1,2,3-cd)pyrene	26.310	276	403202	9.772	ng	97
88) Benzo(b)fluoranthene	23.069	252	710797	20.923	ng	99
89) Benzo(k)fluoranthene	23.069	252	710797	21.904	ng	99
90) Benzo(a)pyrene	23.686	252	508609	16.826	ng	97
91) Dibenzo(a,h)anthracene	26.321	278	97534	2.874	ng	# 91
92) Benzo(g,h,i)perylene	27.080	276	393316	11.425	ng	98

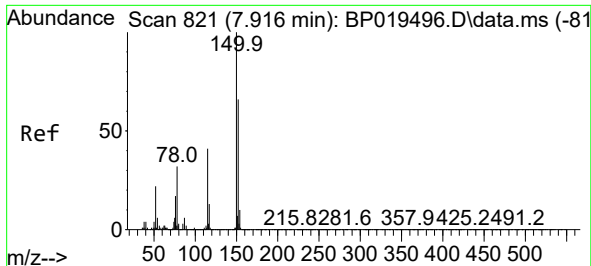
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020724\
Data File : BP019599.D
Acq On : 07 Feb 2024 18:07
Operator : MA/JU
Sample : P1366-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-2-6-8

Quant Time: Feb 08 01:31:40 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

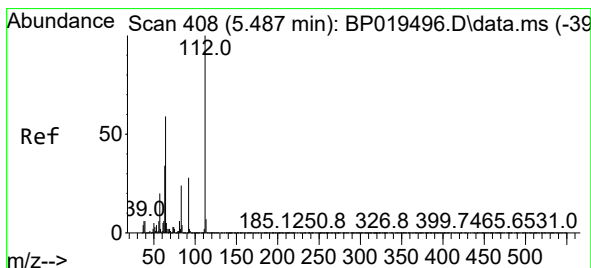
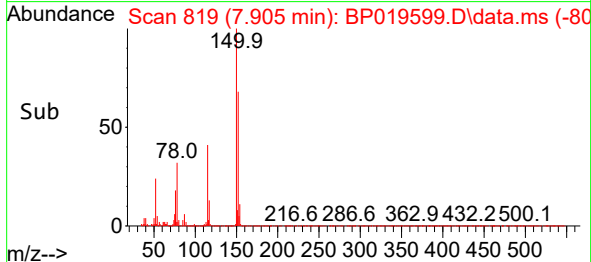
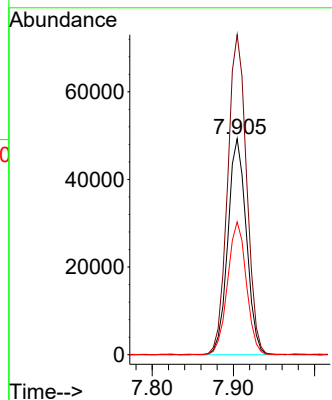
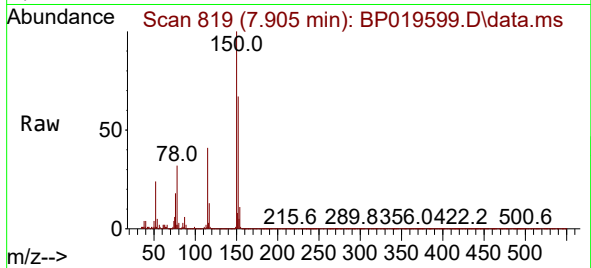




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019599.D
Acq: 07 Feb 2024 18:07

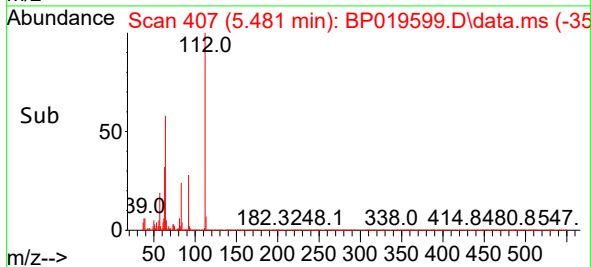
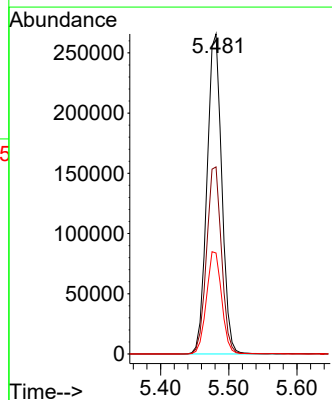
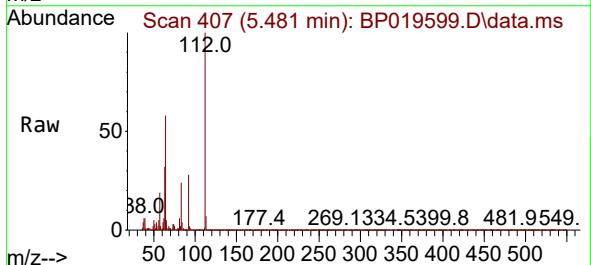
Instrument :
BNA_P
ClientSampleId :
EB-2-6-8

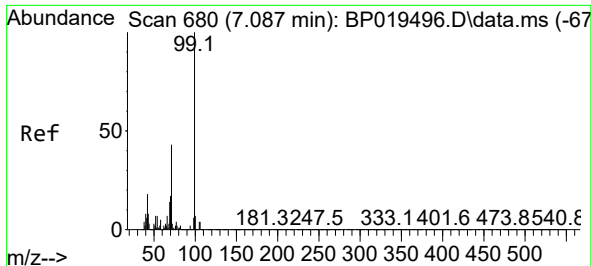
Tgt Ion:152 Resp: 77967
Ion Ratio Lower Upper
152 100
150 148.2 121.8 182.8
115 61.5 49.9 74.9



#5
2-Fluorophenol
Concen: 82.906 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019599.D
Acq: 07 Feb 2024 18:07

Tgt Ion:112 Resp: 401007
Ion Ratio Lower Upper
112 100
64 58.5 47.4 71.0
63 31.6 27.0 40.6

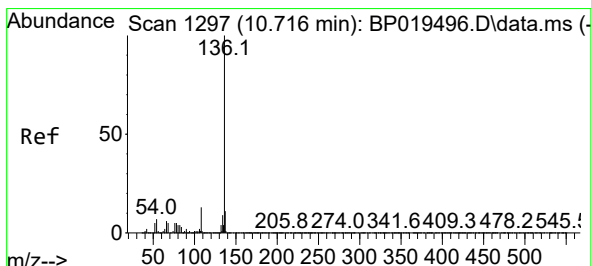
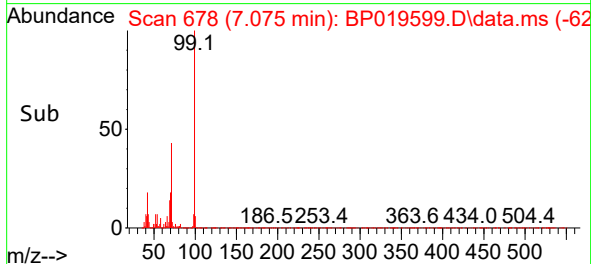
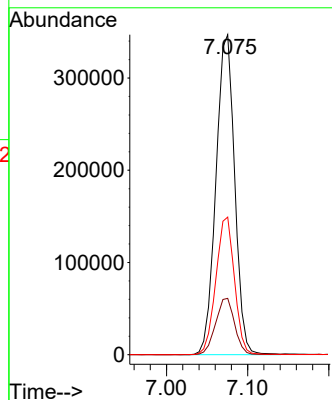
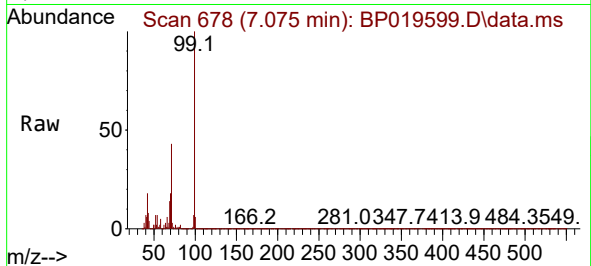




#7
Phenol-d6
Concen: 85.356 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP019599.D
Acq: 07 Feb 2024 18:07

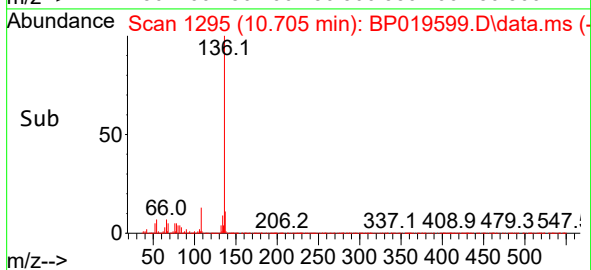
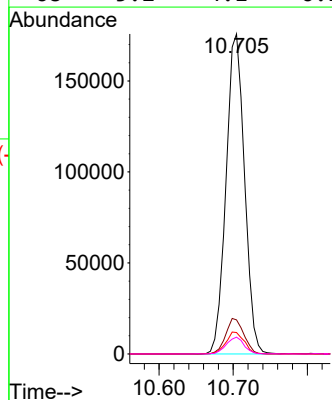
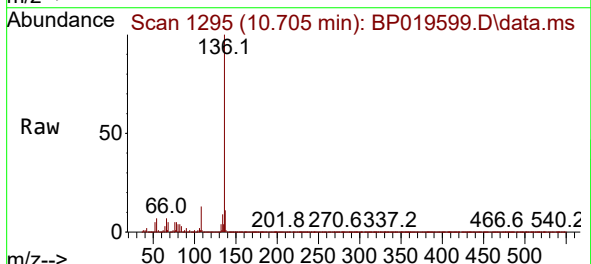
Instrument :
BNA_P
ClientSampleId :
EB-2-6-8

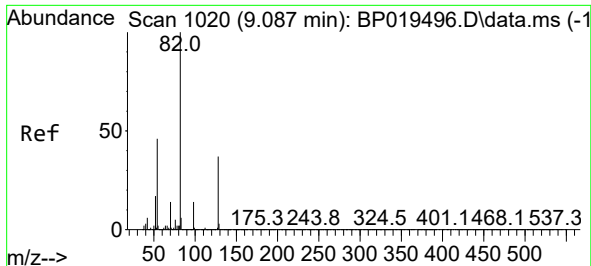
Tgt Ion: 99 Resp: 556684
Ion Ratio Lower Upper
99 100
42 17.6 14.7 22.1
71 43.0 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019599.D
Acq: 07 Feb 2024 18:07

Tgt Ion: 136 Resp: 303638
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.7 5.3 7.9
68 5.2 4.1 6.1

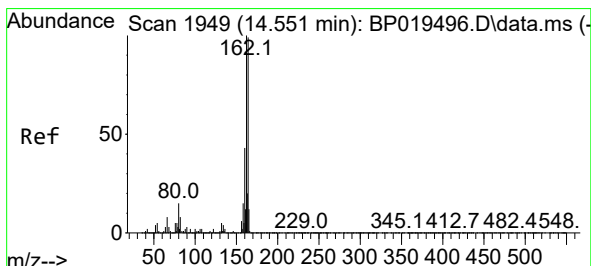
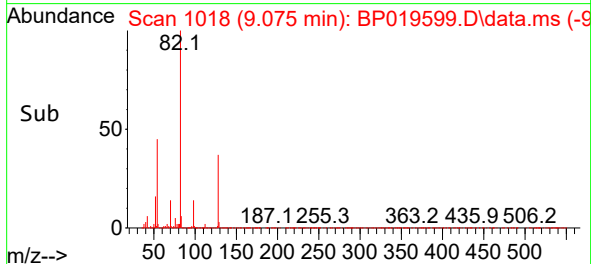
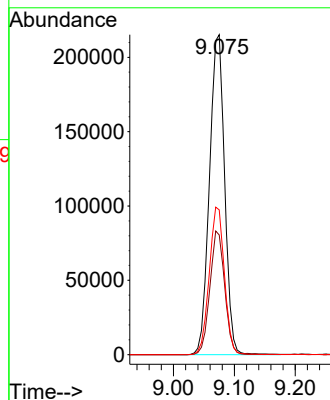
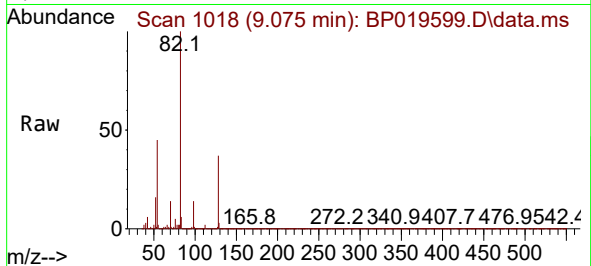




#23
Nitrobenzene-d5
Concen: 53.209 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019599.D
Acq: 07 Feb 2024 18:07

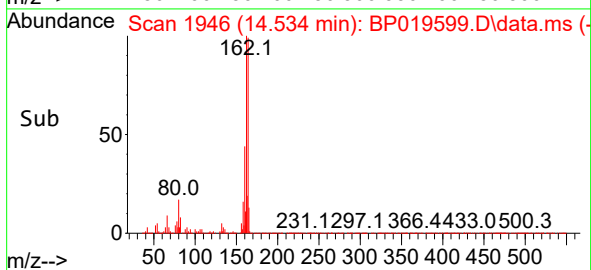
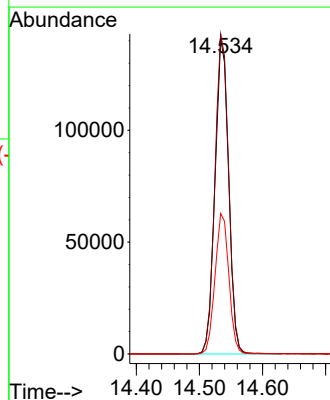
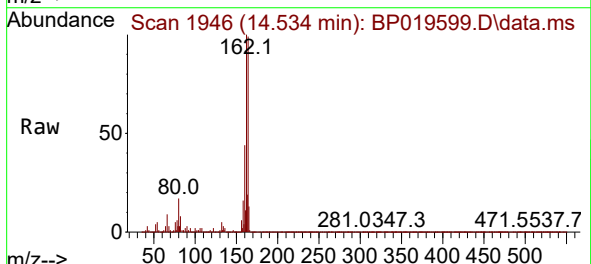
Instrument :
BNA_P
ClientSampleId :
EB-2-6-8

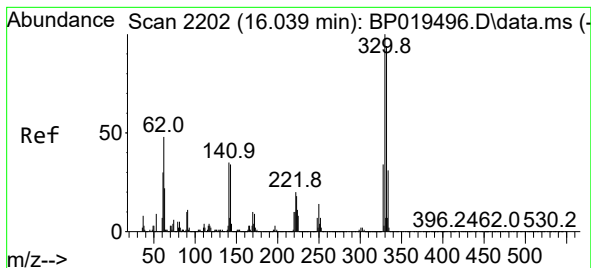
Tgt Ion: 82 Resp: 372851
Ion Ratio Lower Upper
82 100
128 37.4 29.7 44.5
54 45.2 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.017 min
Lab File: BP019599.D
Acq: 07 Feb 2024 18:07

Tgt Ion: 164 Resp: 210984
Ion Ratio Lower Upper
164 100
162 101.4 81.2 121.8
160 44.5 35.1 52.7

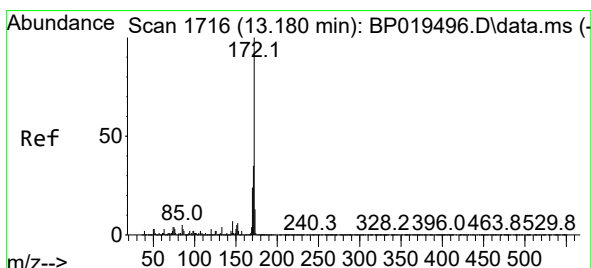
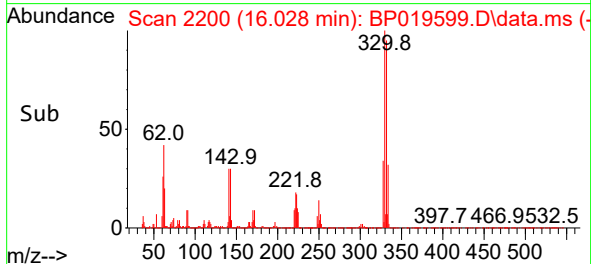
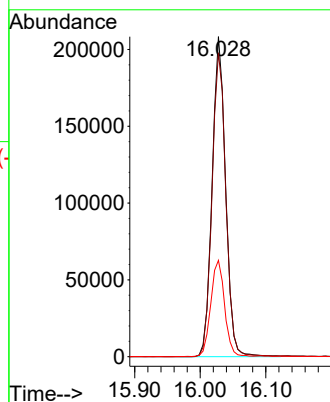
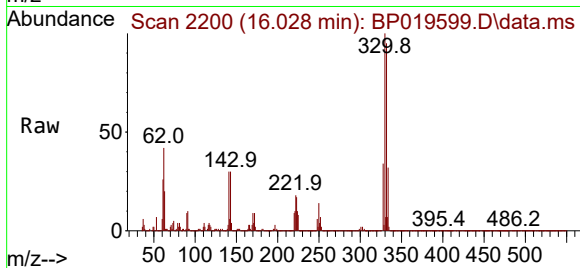




#42
2,4,6-Tribromophenol
Concen: 96.660 ng
RT: 16.028 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP019599.D
Acq: 07 Feb 2024 18:07

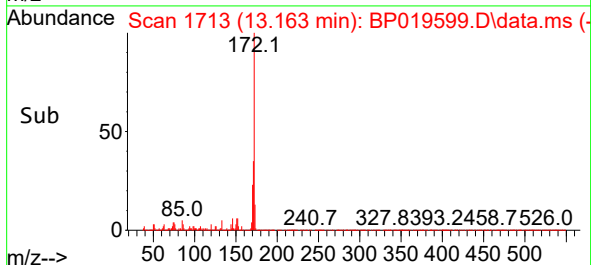
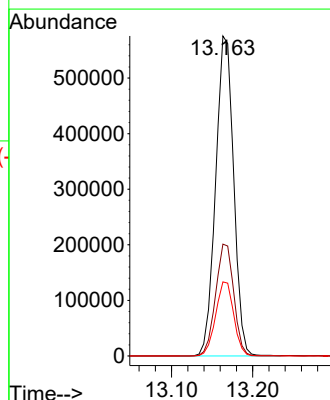
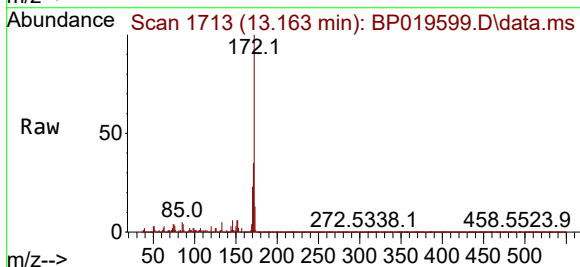
Instrument :
BNA_P
ClientSampleId :
EB-2-6-8

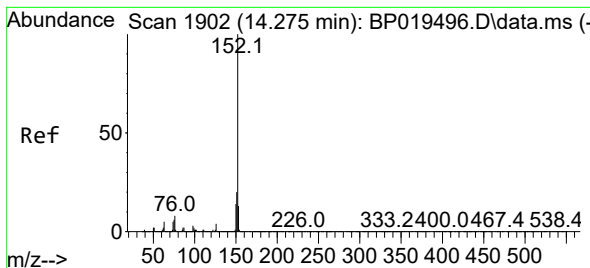
Tgt Ion:330 Resp: 297763
Ion Ratio Lower Upper
330 100
332 97.1 77.2 115.8
141 31.0 27.0 40.4



#45
2-Fluorobiphenyl
Concen: 52.120 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.017 min
Lab File: BP019599.D
Acq: 07 Feb 2024 18:07

Tgt Ion:172 Resp: 889513
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.1 18.9 28.3





#49

Acenaphthylene

Concen: 2.843 ng

RT: 14.257 min Scan# 1899

Delta R.T. -0.017 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

Instrument :

BNA_P

ClientSampleId :

EB-2-6-8

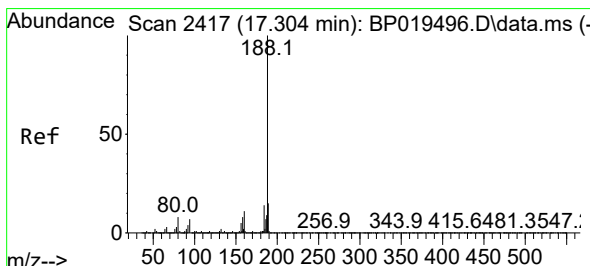
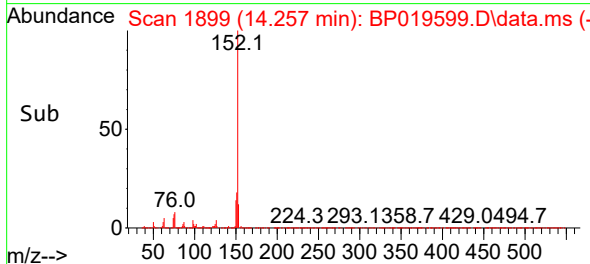
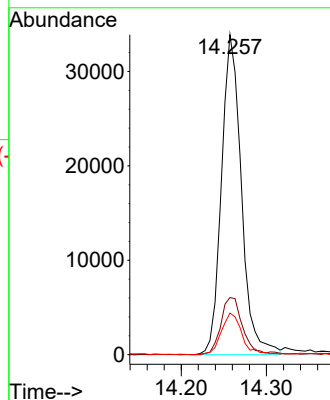
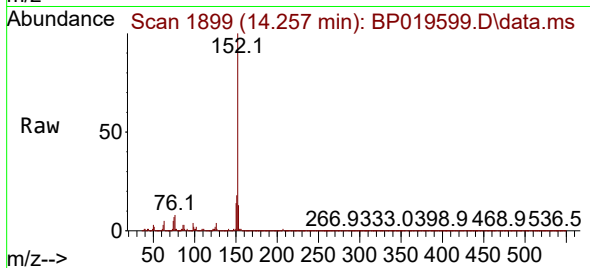
Tgt Ion:152 Resp: 55136

Ion Ratio Lower Upper

152 100

151 17.9 15.8 23.6

153 13.0 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.292 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

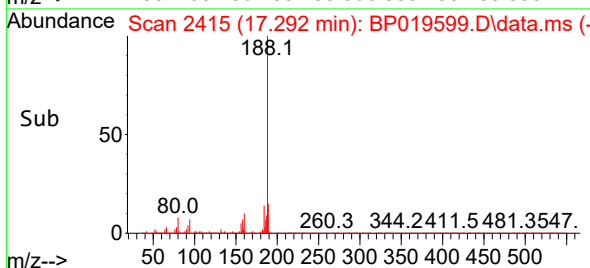
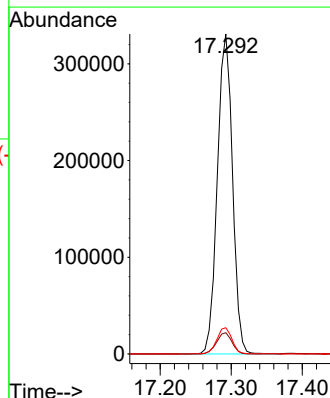
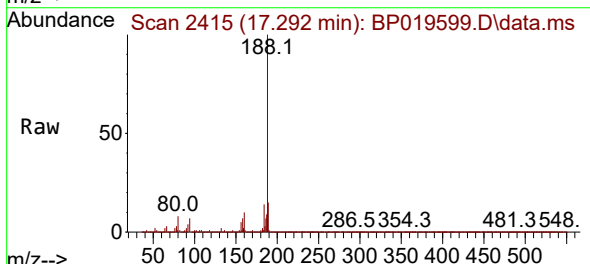
Tgt Ion:188 Resp: 488103

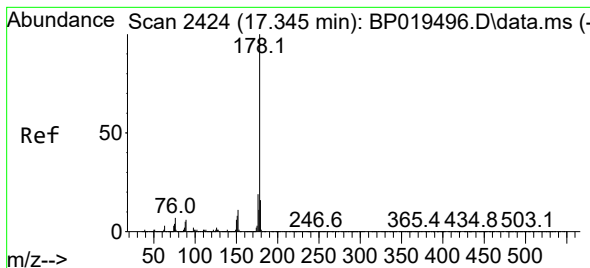
Ion Ratio Lower Upper

188 100

94 6.6 5.4 8.2

80 8.2 6.3 9.5





#71

Phenanthrene

Concen: 7.224 ng

RT: 17.334 min Scan# 2424

Delta R.T. -0.011 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

Instrument :

BNA_P

ClientSampleId :

EB-2-6-8

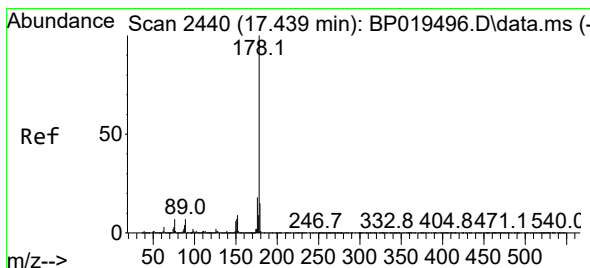
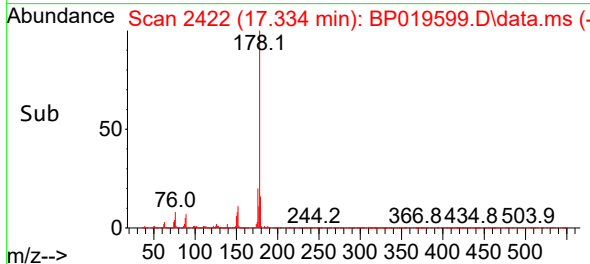
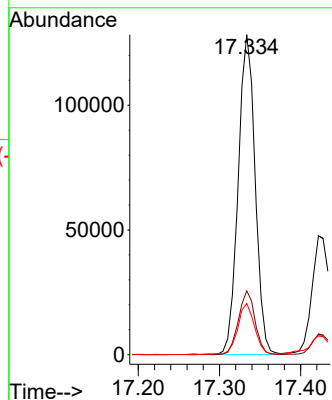
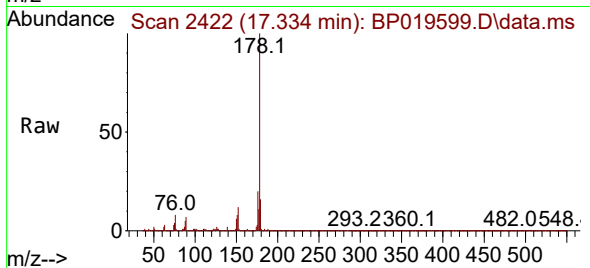
Tgt Ion:178 Resp: 185566

Ion Ratio Lower Upper

178 100

176 20.0 15.5 23.3

179 16.0 12.6 19.0



#72

Anthracene

Concen: 2.758 ng

RT: 17.422 min Scan# 2437

Delta R.T. -0.017 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

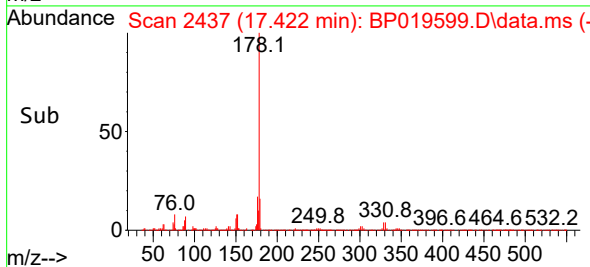
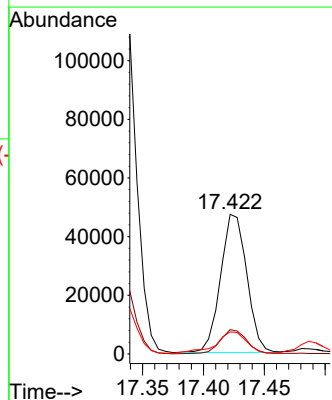
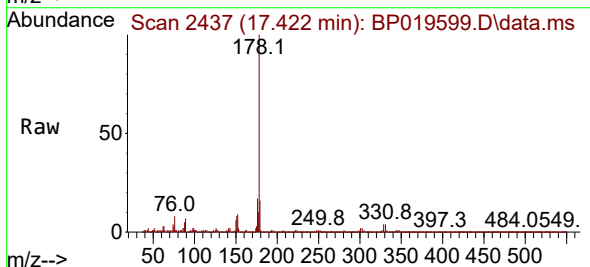
Tgt Ion:178 Resp: 70683

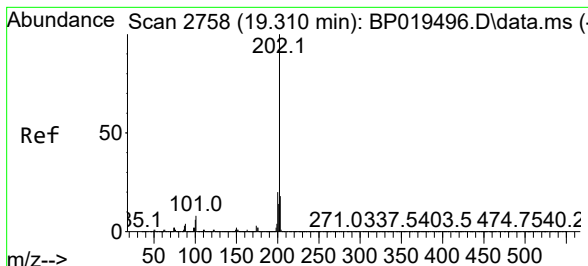
Ion Ratio Lower Upper

178 100

176 17.4 14.7 22.1

179 15.9 12.2 18.2





#75

Fluoranthene

Concen: 20.300 ng

RT: 19.298 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

Instrument :

BNA_P

ClientSampleId :

EB-2-6-8

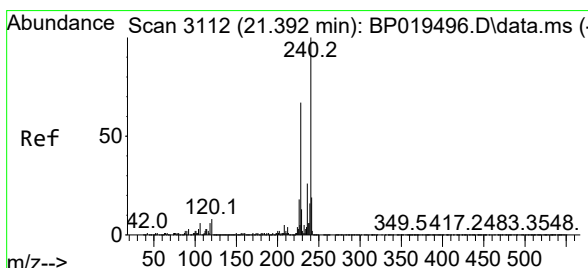
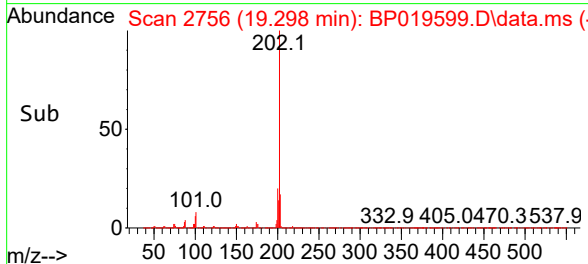
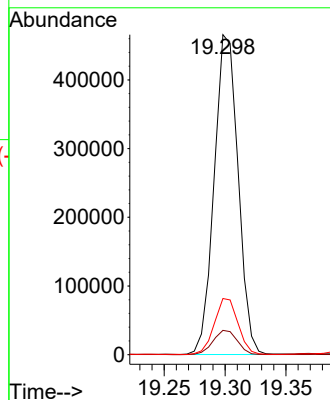
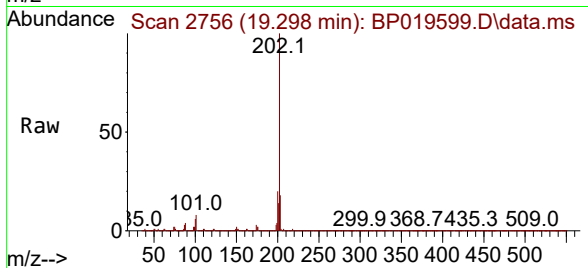
Tgt Ion:202 Resp: 636994

Ion Ratio Lower Upper

202 100

101 7.6 0.0 27.7

203 17.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 3110

Delta R.T. -0.011 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

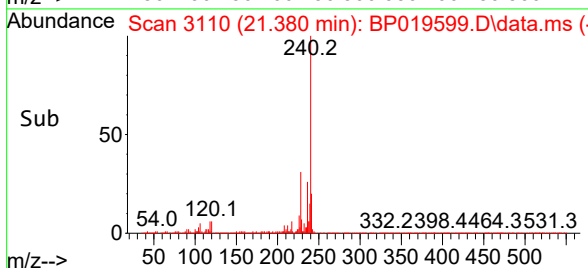
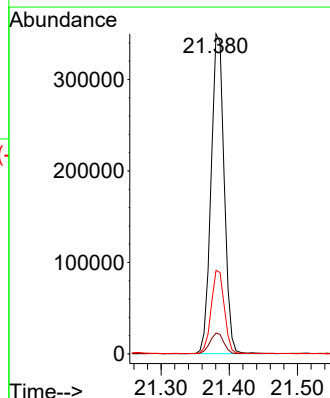
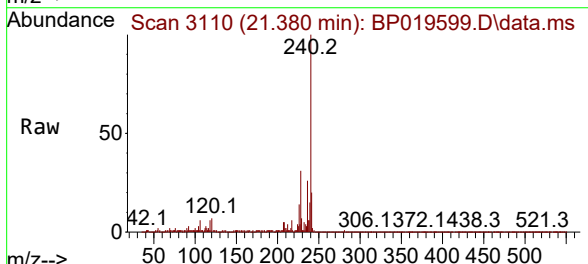
Tgt Ion:240 Resp: 468019

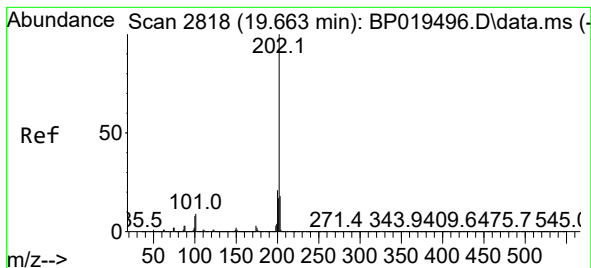
Ion Ratio Lower Upper

240 100

120 6.6 6.1 9.1

236 26.2 20.7 31.1





#78

Pyrene

Concen: 17.810 ng

RT: 19.651 min Scan# 2816

Delta R.T. -0.011 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

Instrument :

BNA_P

ClientSampleId :

EB-2-6-8

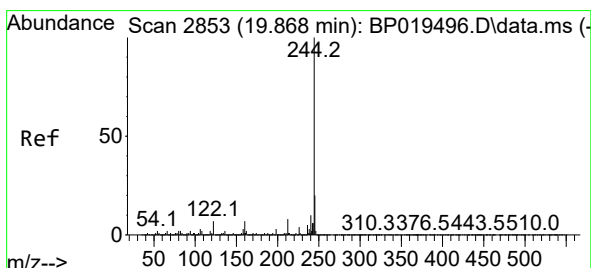
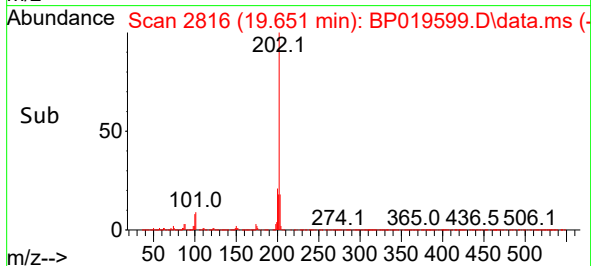
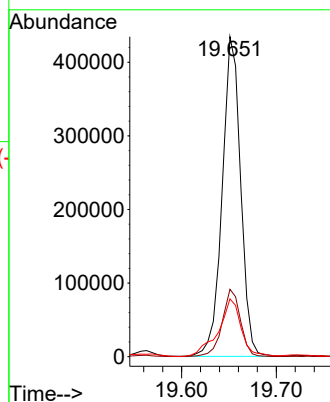
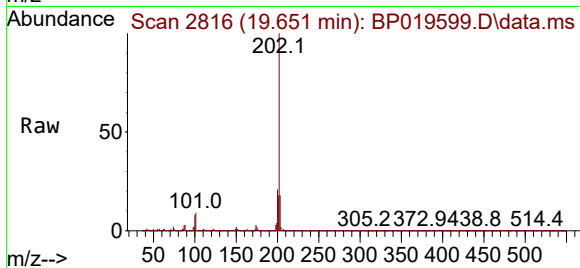
Tgt Ion:202 Resp: 588281

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 18.1 14.2 21.2



#79

Terphenyl-d14

Concen: 55.883 ng

RT: 19.857 min Scan# 2851

Delta R.T. -0.011 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

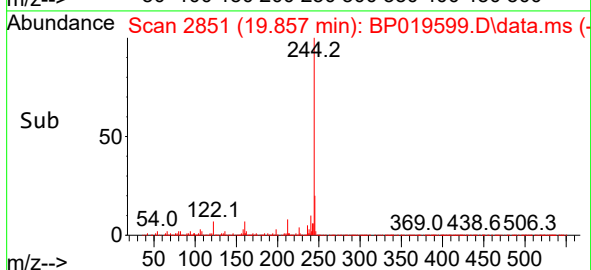
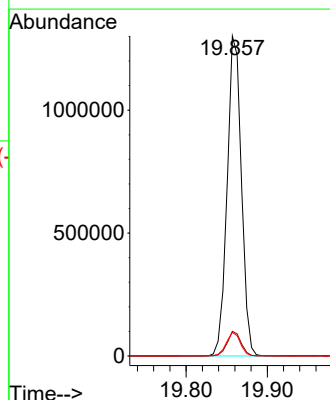
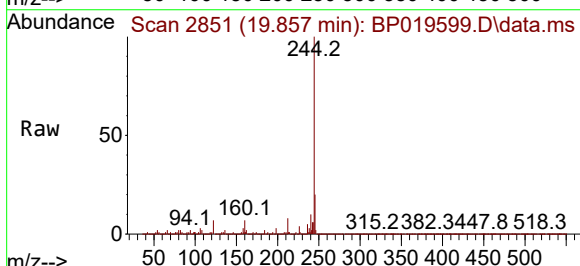
Tgt Ion:244 Resp: 1590380

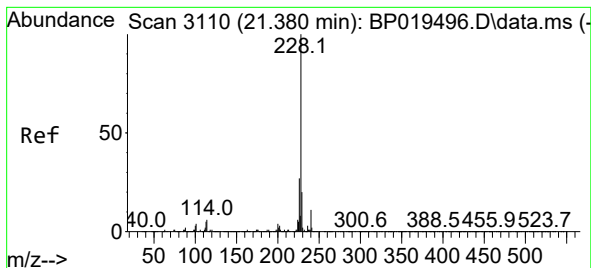
Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

122 7.3 5.9 8.9





#81

Benzo(a)anthracene

Concen: 13.731 ng

RT: 21.369 min Scan# 3110

Delta R.T. -0.011 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

Instrument :

BNA_P

ClientSampleId :

EB-2-6-8

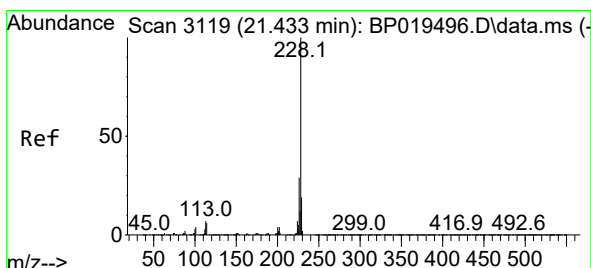
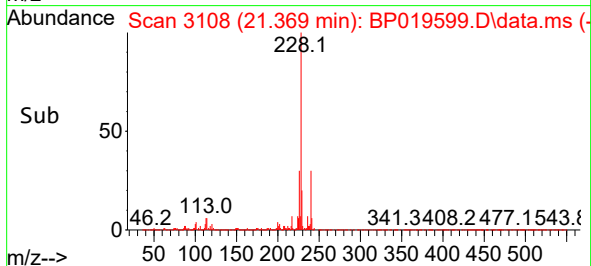
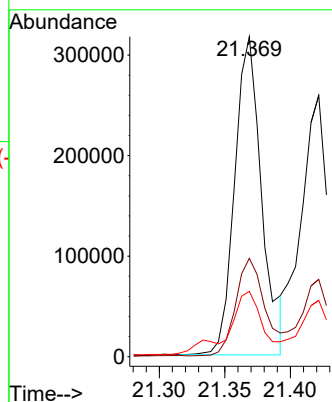
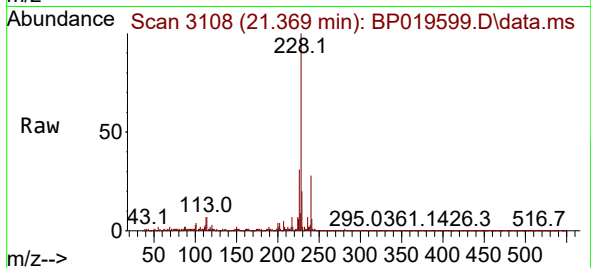
Tgt Ion:228 Resp: 452354

Ion Ratio Lower Upper

228 100

226 30.7 21.7 32.5

229 20.4 15.6 23.4



#83

Chrysene

Concen: 11.903 ng

RT: 21.422 min Scan# 3117

Delta R.T. -0.011 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

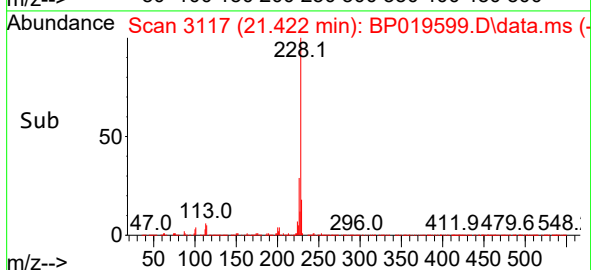
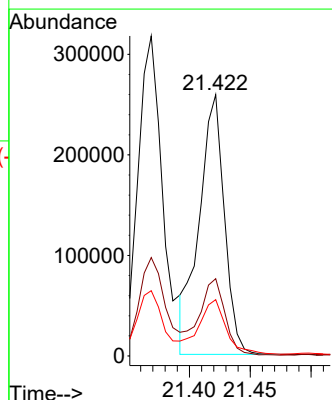
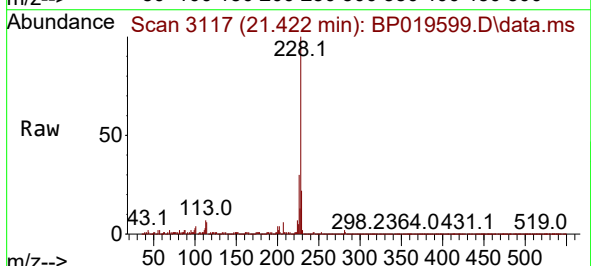
Tgt Ion:228 Resp: 372304

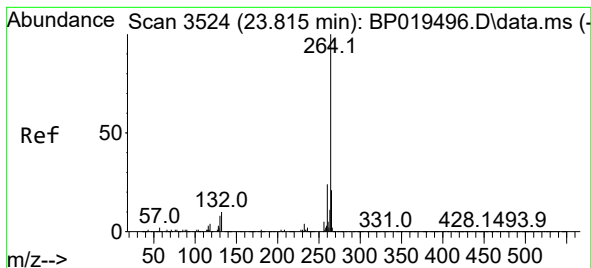
Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.2

229 21.6 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.798 min Scan# 31

Delta R.T. -0.017 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

Instrument :

BNA_P

ClientSampleId :

EB-2-6-8

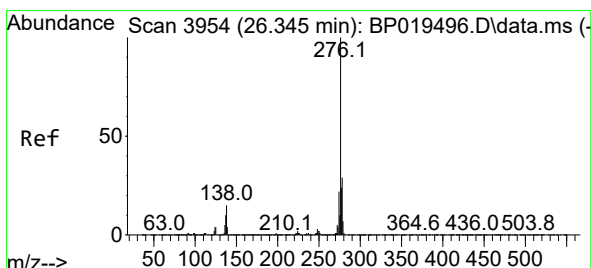
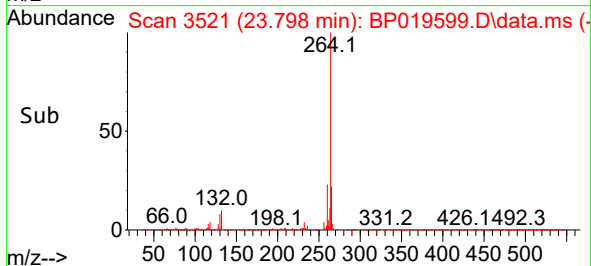
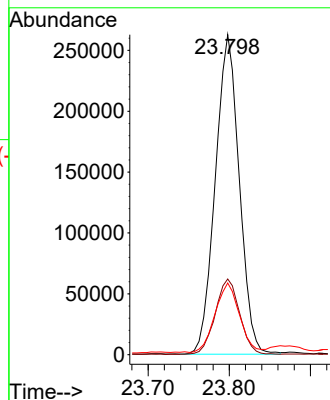
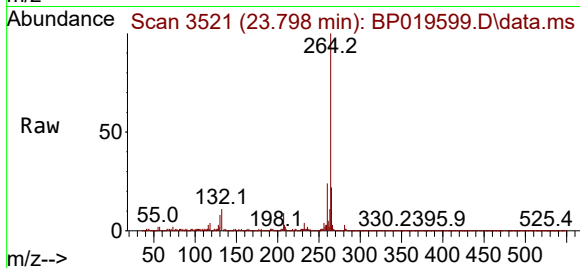
Tgt Ion:264 Resp: 539022

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.4 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.772 ng

RT: 26.310 min Scan# 3948

Delta R.T. -0.035 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

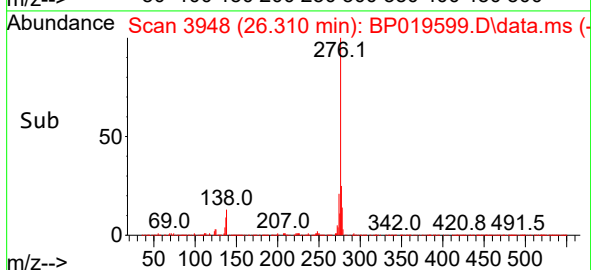
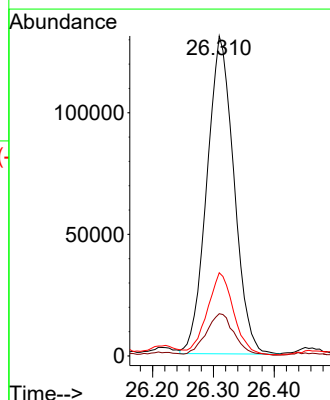
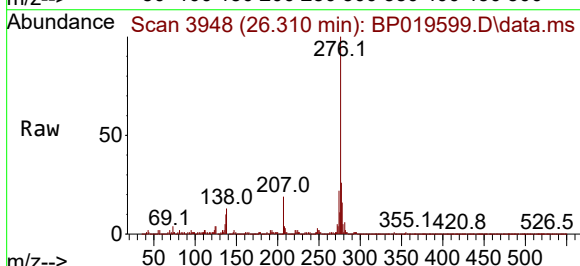
Tgt Ion:276 Resp: 403202

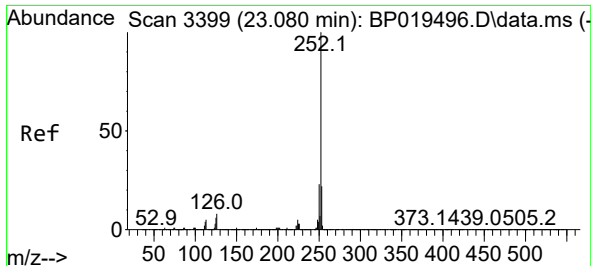
Ion Ratio Lower Upper

276 100

138 13.6 13.1 19.7

277 25.3 20.3 30.5

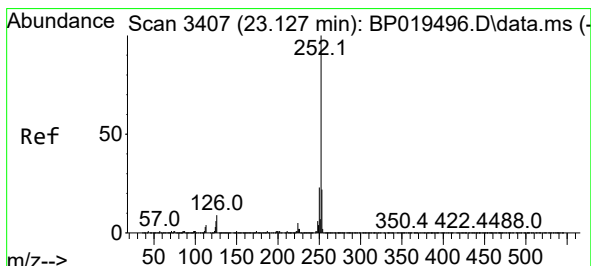
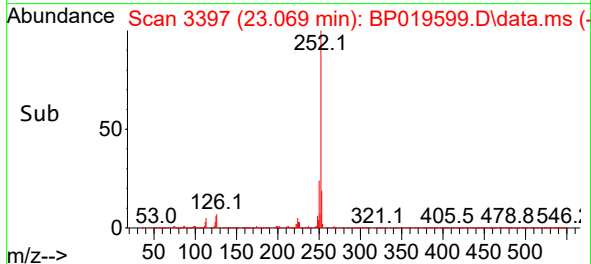
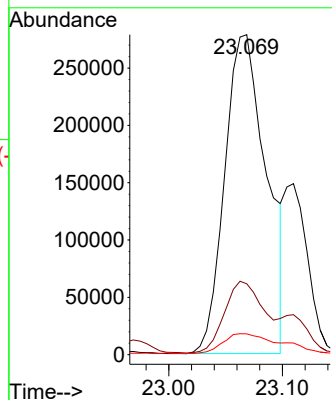
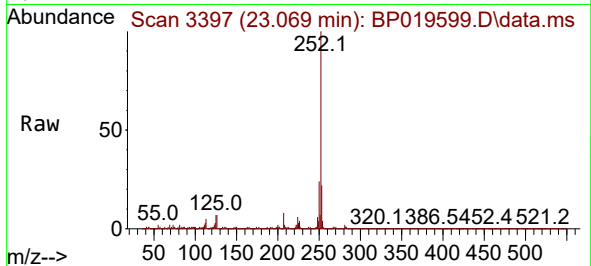




#88
Benzo(b)fluoranthene
Concen: 20.923 ng
RT: 23.069 min Scan# 3397
Delta R.T. -0.011 min
Lab File: BP019599.D
Acq: 07 Feb 2024 18:07

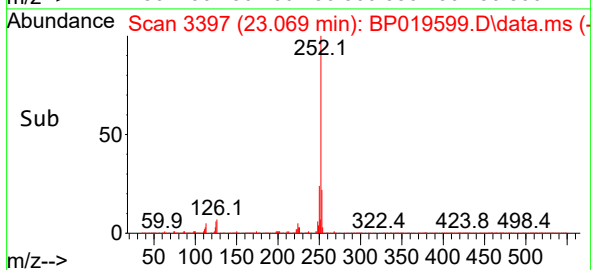
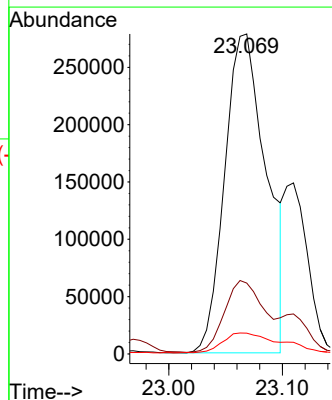
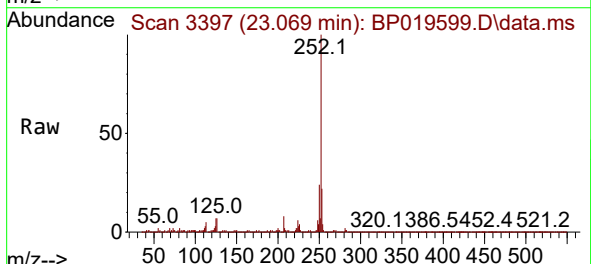
Instrument :
BNA_P
ClientSampleId :
EB-2-6-8

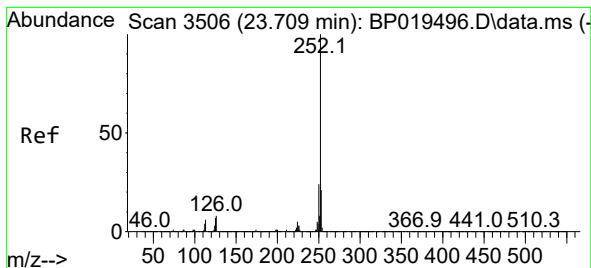
Tgt Ion:252 Resp: 710797
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 6.5 4.9 7.3



#89
Benzo(k)fluoranthene
Concen: 21.904 ng
RT: 23.069 min Scan# 3397
Delta R.T. -0.058 min
Lab File: BP019599.D
Acq: 07 Feb 2024 18:07

Tgt Ion:252 Resp: 710797
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 6.5 5.0 7.6





#90

Benzo(a)pyrene

Concen: 16.826 ng

RT: 23.686 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

Instrument :

BNA_P

ClientSampleId :

EB-2-6-8

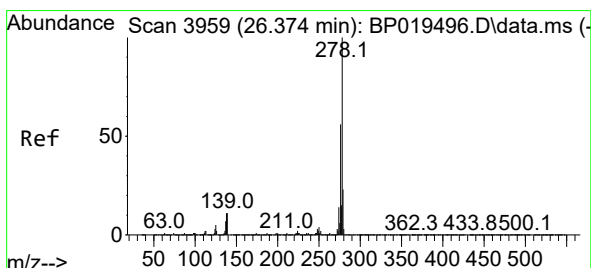
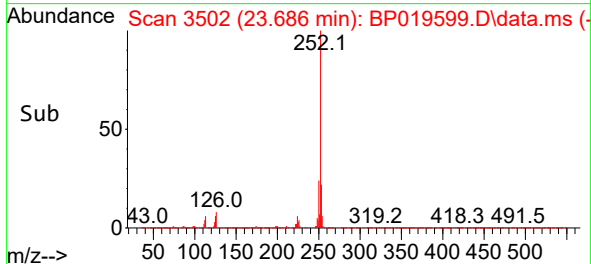
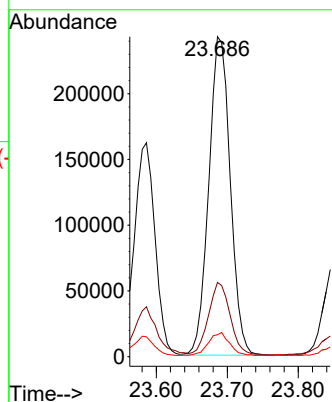
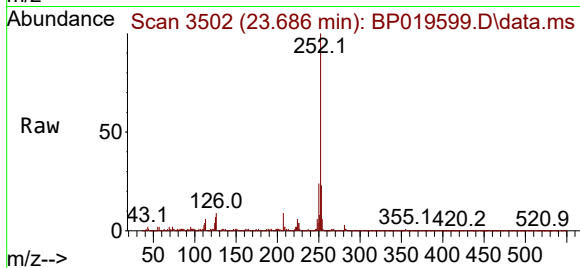
Tgt Ion:252 Resp: 508609

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 6.8 5.6 8.4



#91

Dibenzo(a,h)anthracene

Concen: 2.874 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.053 min

Lab File: BP019599.D

Acq: 07 Feb 2024 18:07

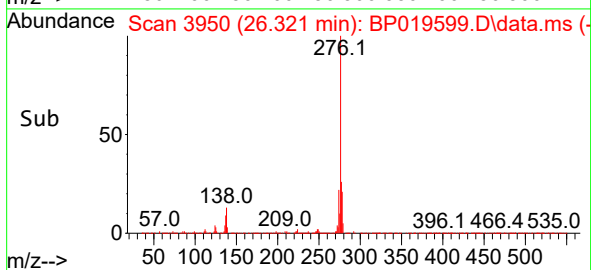
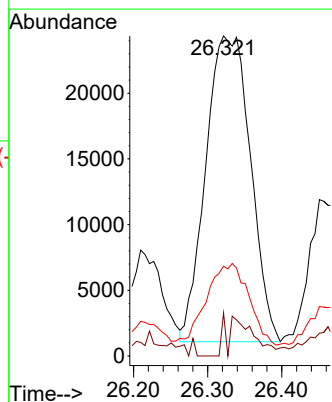
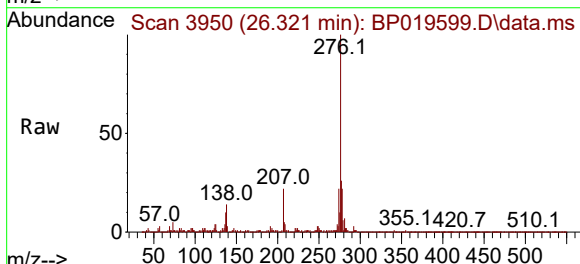
Tgt Ion:278 Resp: 97534

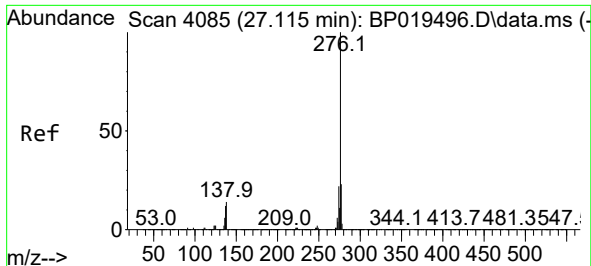
Ion Ratio Lower Upper

278 100

139 13.5 8.6 12.8#

279 28.0 18.5 27.7#





#92
Benzo(g,h,i)perylene
Concen: 11.425 ng
RT: 27.080 min Scan# 4085
Delta R.T. -0.035 min
Lab File: BP019599.D
Acq: 07 Feb 2024 18:07

Instrument :
BNA_P
ClientSampleId :
EB-2-6-8

Tgt Ion:276 Resp: 393316
Ion Ratio Lower Upper
276 100
277 24.3 18.6 28.0
138 14.4 10.9 16.3

