

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025509.D
 Acq On : 20 Aug 2025 15:34
 Operator : CG/JU
 Sample : Q2865-02 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ARS10-0047

Quant Time: Aug 20 15:58:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

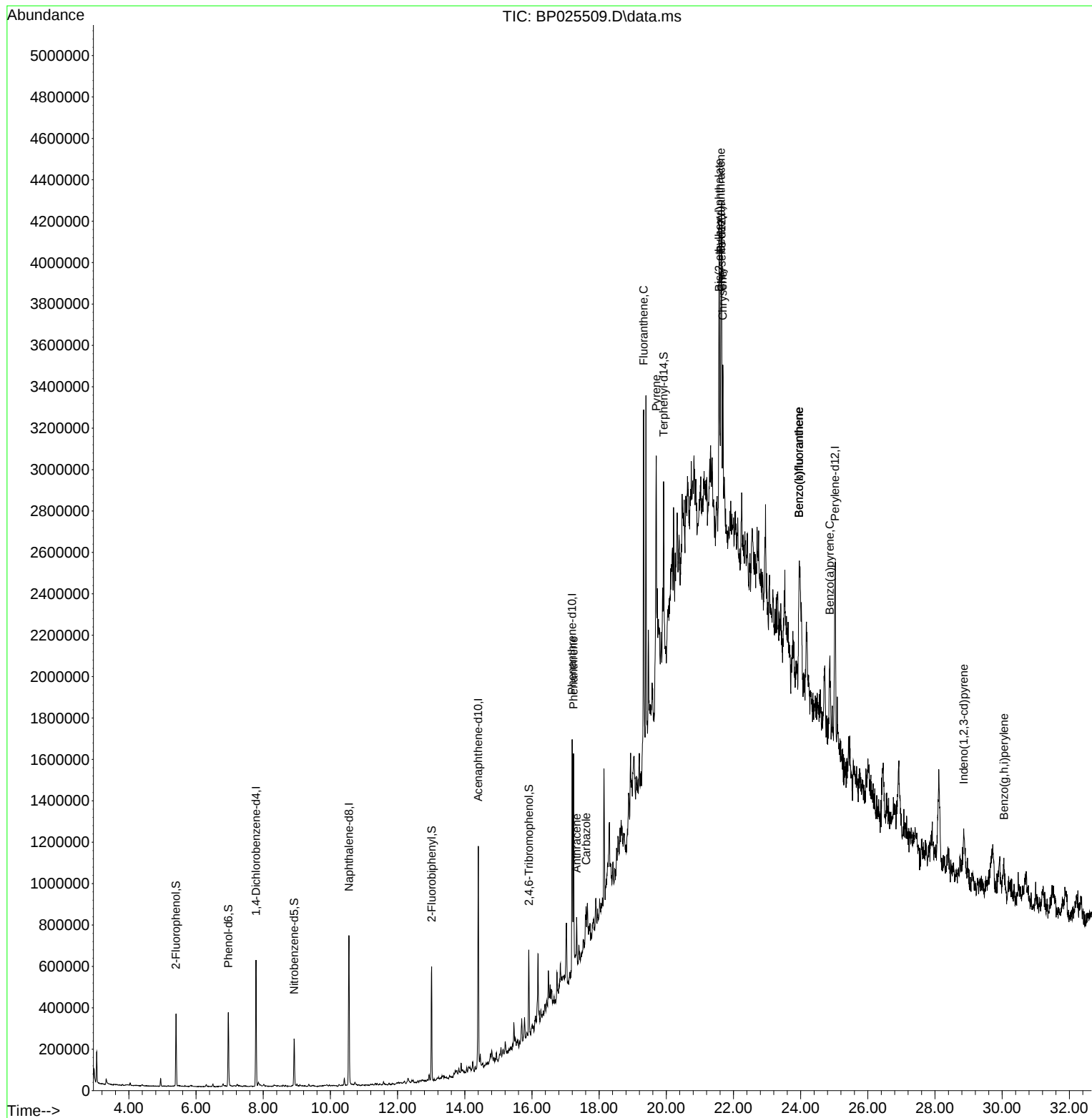
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	168781	20.000	ng	-0.01
21) Naphthalene-d8	10.548	136	625274	20.000	ng	-0.01
39) Acenaphthene-d10	14.401	164	358397	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	672674	20.000	ng	0.00
76) Chrysene-d12	21.642	240	748470	20.000	ng	0.00
86) Perylene-d12	25.024	264	942424	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	152270	14.982	ng	0.00
7) Phenol-d6	6.960	99	202909	15.572	ng	0.00
23) Nitrobenzene-d5	8.919	82	129051	10.440	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	76060	15.767	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	272557	10.393	ng	0.00
79) Terphenyl-d14	19.919	244	388162	9.488	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.236	178	550040	14.885	ng	98
72) Anthracene	17.330	178	147024	3.896	ng	97
73) Carbazole	17.613	167	86880	2.444	ng	# 91
75) Fluoranthene	19.324	202	1058459	24.014	ng	97
78) Pyrene	19.701	202	866608	17.814	ng	99
81) Benzo(a)anthracene	21.624	228	463496	9.390	ng	97
83) Chrysene	21.683	228	541963	11.724	ng	95
84) Bis(2-ethylhexyl)phtha...	21.571	149	760632	23.436	ng	98
87) Indeno(1,2,3-cd)pyrene	28.853	276	346779	5.018	ng	92
88) Benzo(b)fluoranthene	23.954	252	748624	13.471	ng	# 90
89) Benzo(k)fluoranthene	23.954	252	748624	13.462	ng	# 89
90) Benzo(a)pyrene	24.865	252	427435	7.902	ng	# 87
92) Benzo(g,h,i)perylene	30.053	276	328540	5.918	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025509.D
Acq On : 20 Aug 2025 15:34
Operator : CG/JU
Sample : Q2865-02 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ARS10-0047

Quant Time: Aug 20 15:58:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

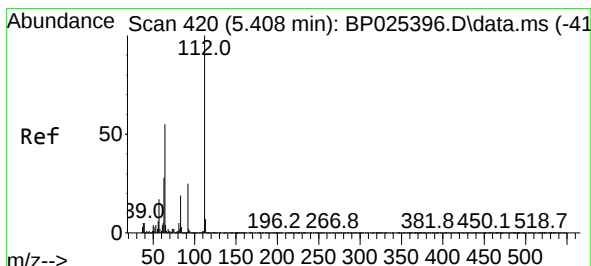
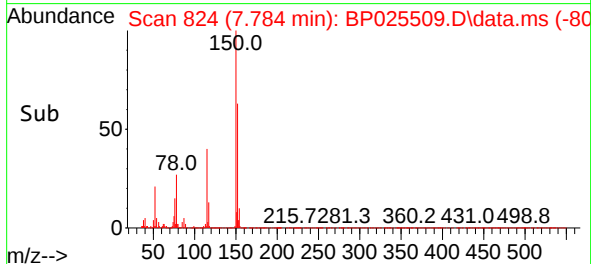
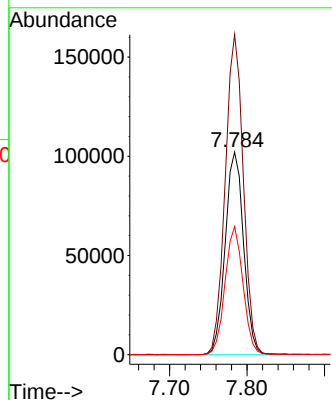
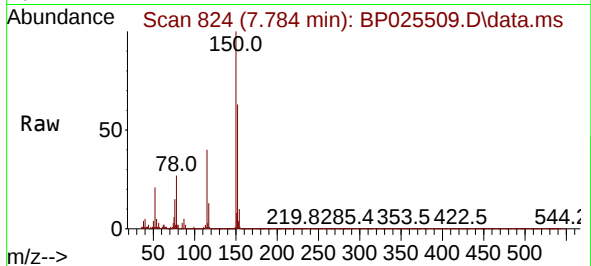




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025509.D
Acq: 20 Aug 2025 15:34

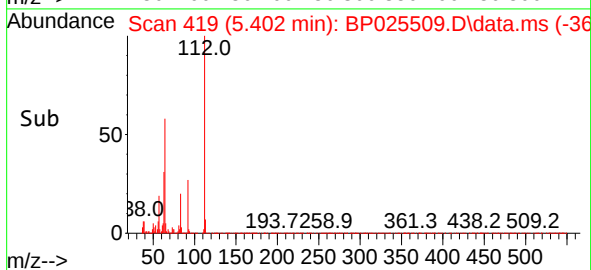
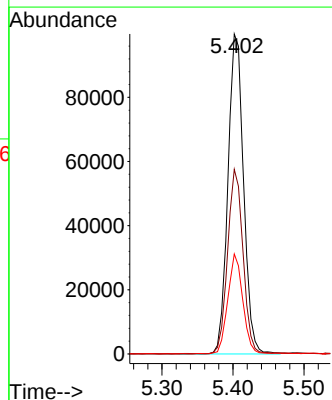
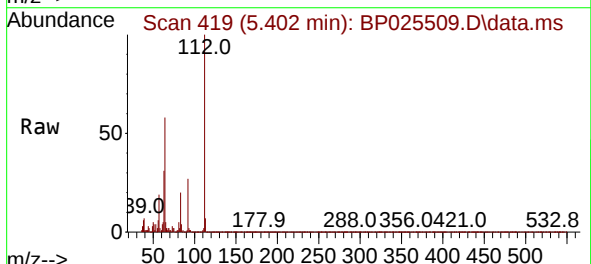
Instrument :
BNA_P
ClientSampleId :
ARS10-0047

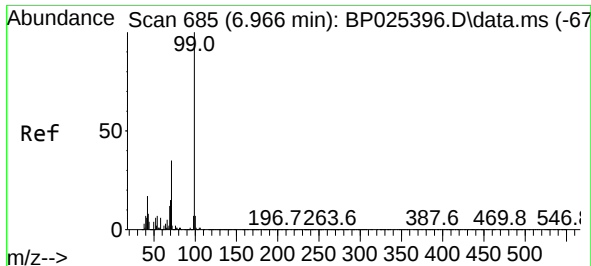
Tgt Ion:152 Resp: 168781
Ion Ratio Lower Upper
152 100
150 157.9 125.9 188.9
115 63.3 48.5 72.7



#5
2-Fluorophenol
Concen: 14.982 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025509.D
Acq: 20 Aug 2025 15:34

Tgt Ion:112 Resp: 152270
Ion Ratio Lower Upper
112 100
64 57.7 43.8 65.8
63 31.2 22.7 34.1

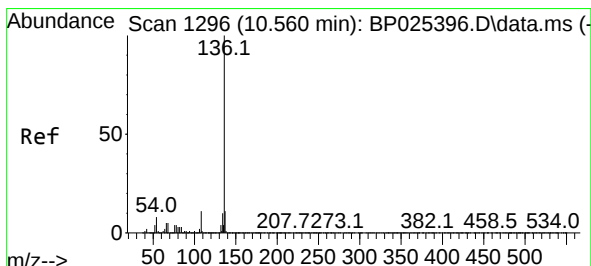
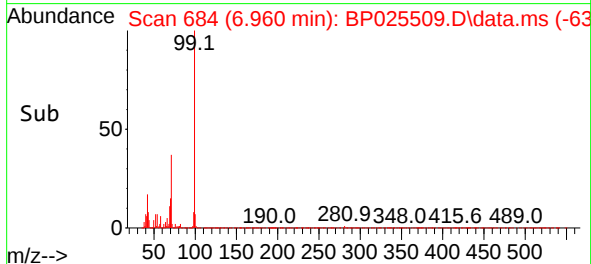
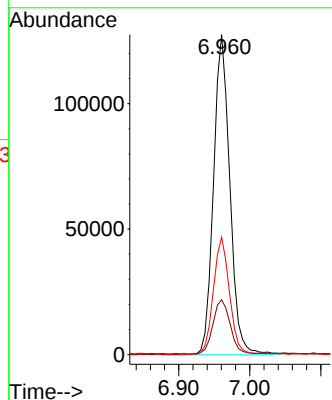
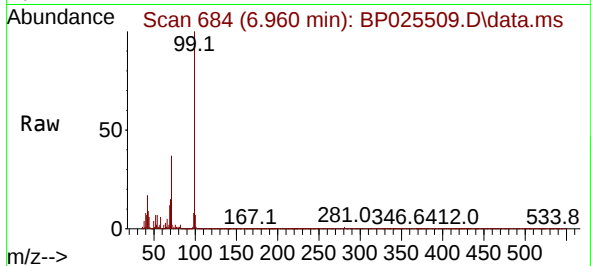




#7
Phenol-d6
Concen: 15.572 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025509.D
Acq: 20 Aug 2025 15:34

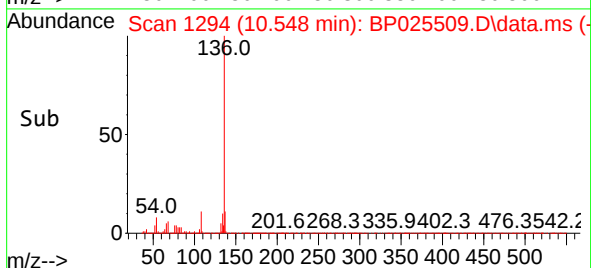
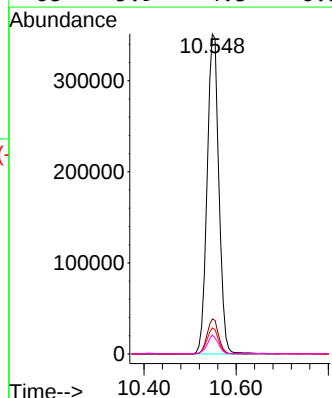
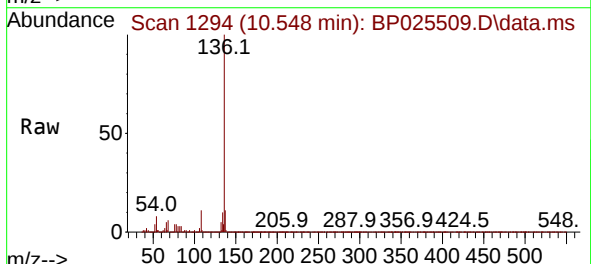
Instrument :
BNA_P
ClientSampleId :
ARS10-0047

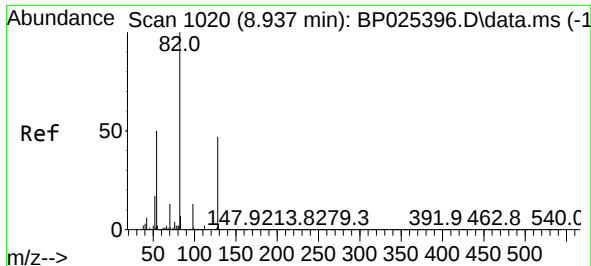
Tgt Ion: 99 Resp: 202909
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 36.8 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.548 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025509.D
Acq: 20 Aug 2025 15:34

Tgt Ion: 136 Resp: 625274
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 8.1 6.0 9.0
68 5.9 4.3 6.5

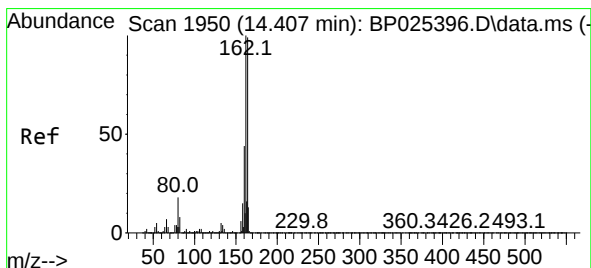
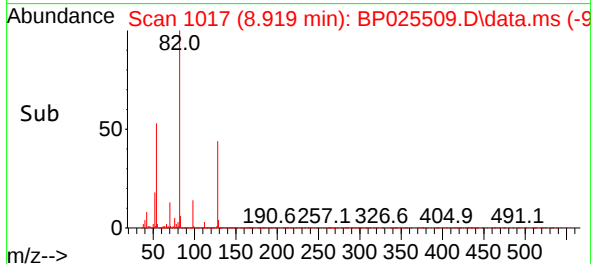
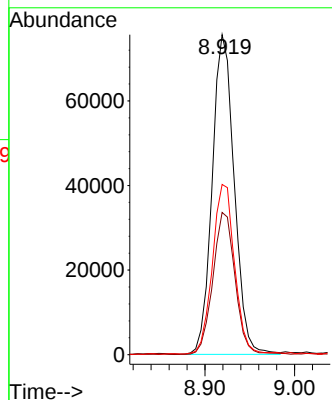
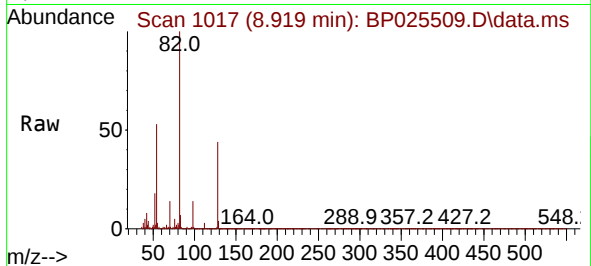




#23
Nitrobenzene-d5
Concen: 10.440 ng
RT: 8.919 min Scan# 1017
Delta R.T. -0.018 min
Lab File: BP025509.D
Acq: 20 Aug 2025 15:34

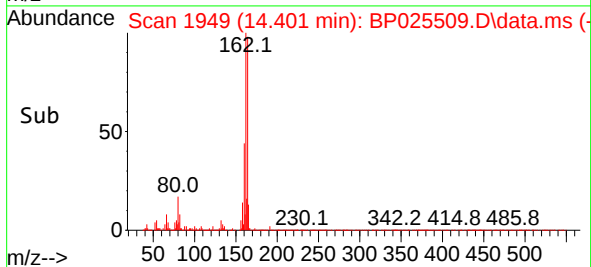
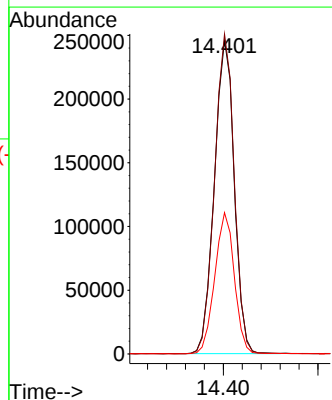
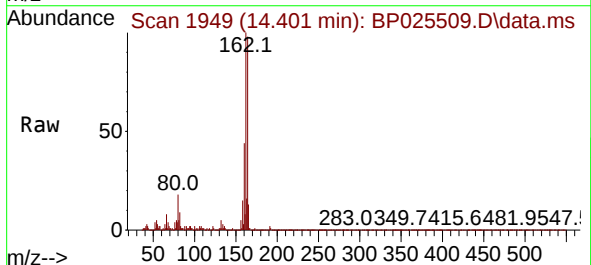
Instrument :
BNA_P
ClientSampleId :
ARS10-0047

Tgt Ion: 82 Resp: 129051
Ion Ratio Lower Upper
82 100
128 44.5 37.7 56.5
54 53.2 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025509.D
Acq: 20 Aug 2025 15:34

Tgt Ion:164 Resp: 358397
Ion Ratio Lower Upper
164 100
162 101.9 81.0 121.6
160 45.0 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 15.767 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

Instrument :

BNA_P

ClientSampleId :

ARS10-0047

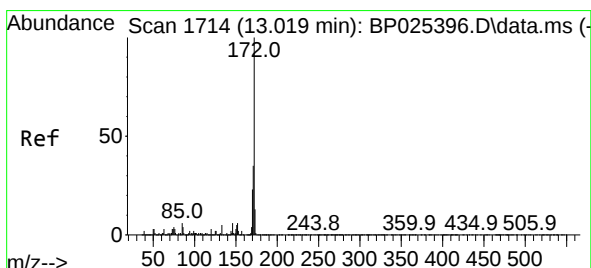
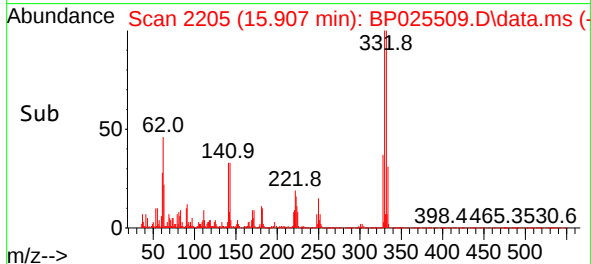
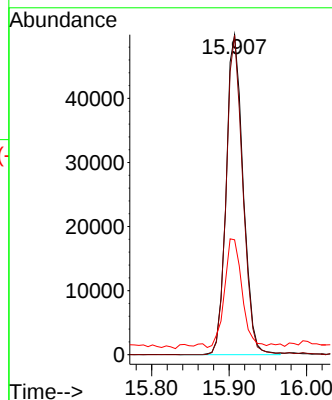
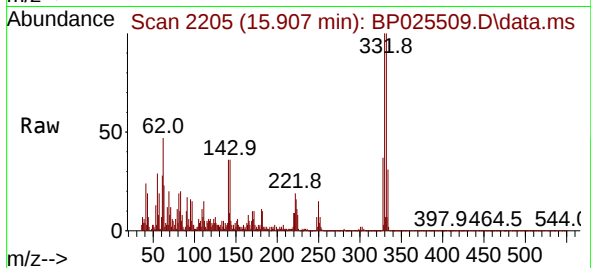
Tgt Ion:330 Resp: 76060

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 35.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 10.393 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

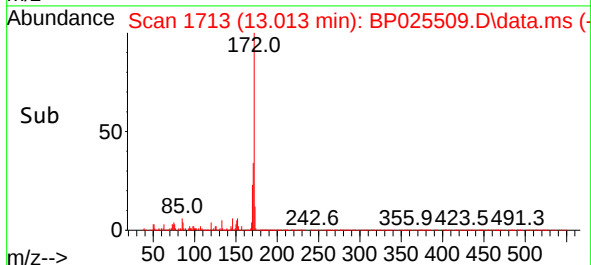
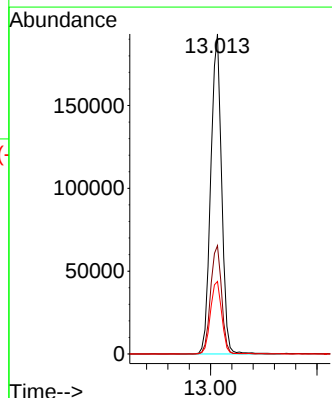
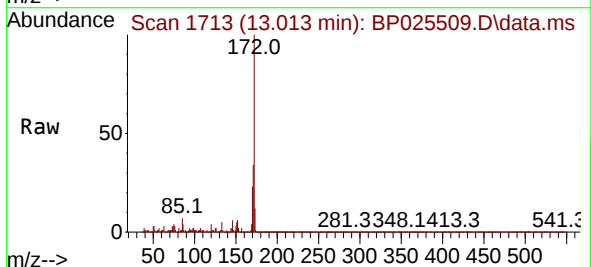
Tgt Ion:172 Resp: 272557

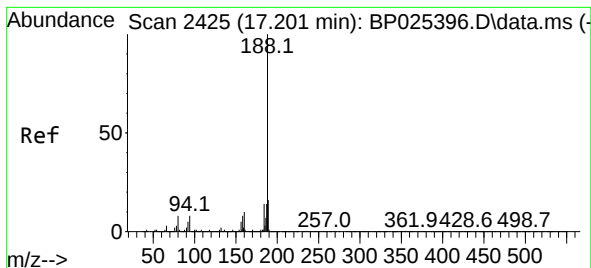
Ion Ratio Lower Upper

172 100

171 33.8 28.1 42.1

170 22.6 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

Instrument :

BNA_P

ClientSampleId :

ARS10-0047

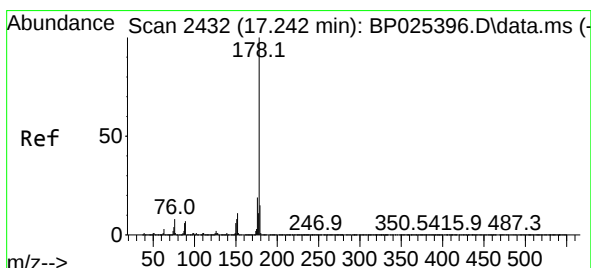
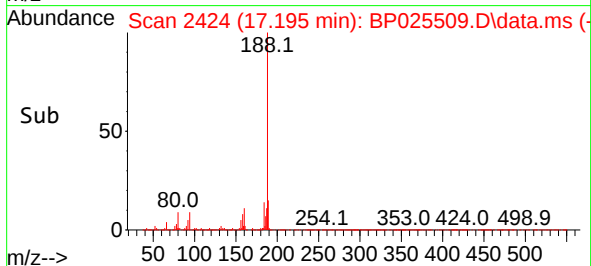
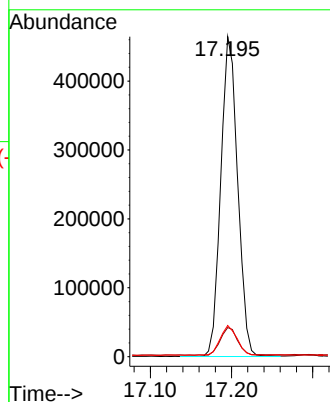
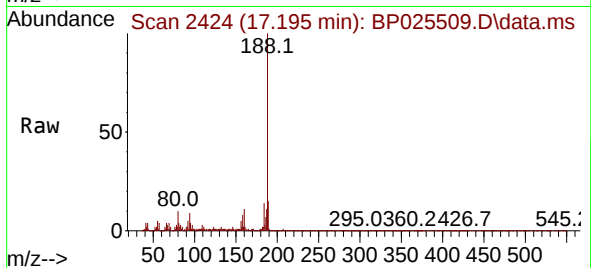
Tgt Ion:188 Resp: 672674

Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

80 9.8 6.7 10.1



#71

Phenanthrene

Concen: 14.885 ng

RT: 17.236 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

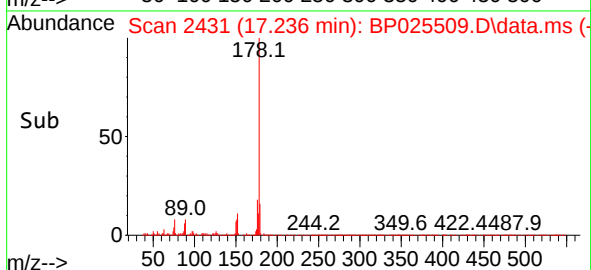
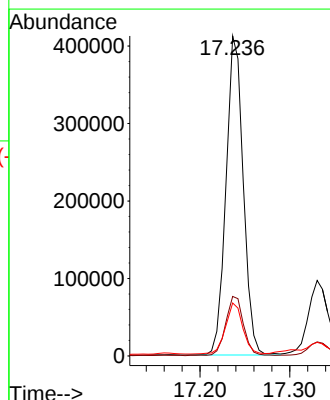
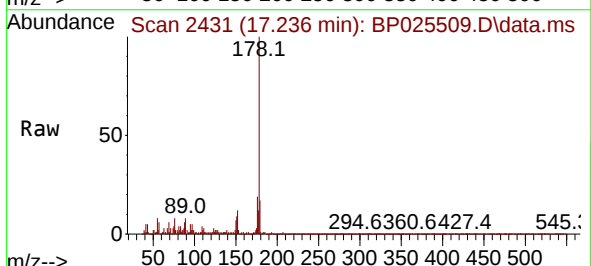
Tgt Ion:178 Resp: 550040

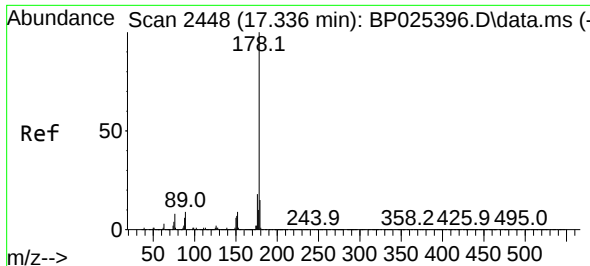
Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

179 16.6 12.2 18.4

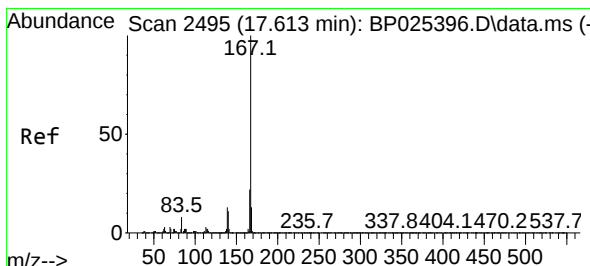
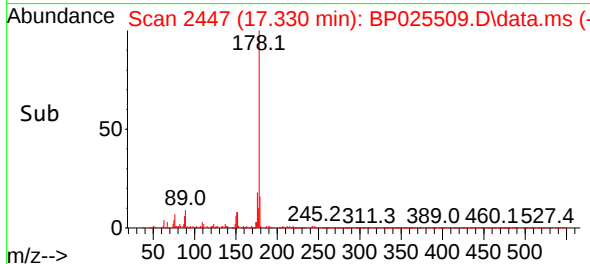
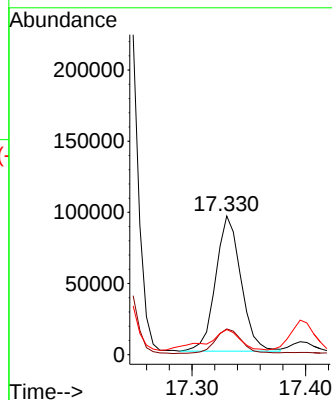
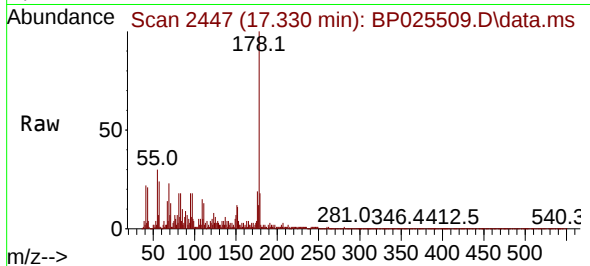




#72
 Anthracene
 Concen: 3.896 ng
 RT: 17.330 min Scan# 2448
 Delta R.T. -0.006 min
 Lab File: BP025509.D
 Acq: 20 Aug 2025 15:34

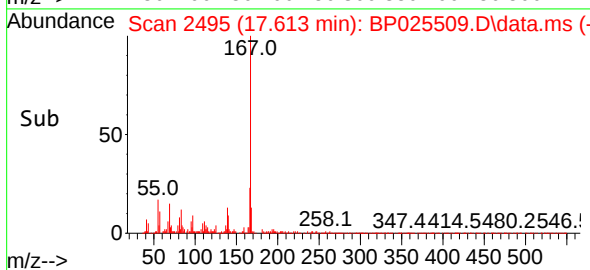
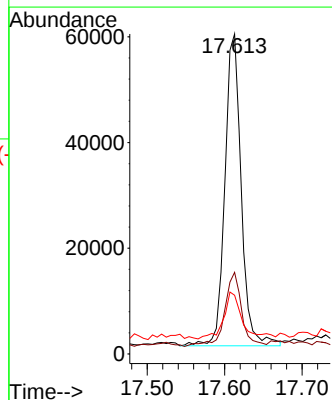
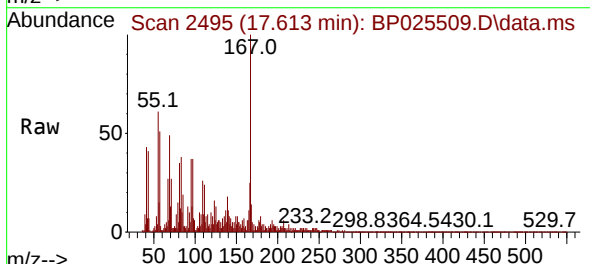
Instrument :
 BNA_P
 ClientSampleId :
 ARS10-0047

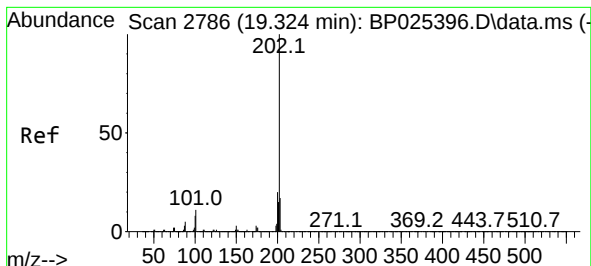
Tgt Ion:178 Resp: 147024
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.7 22.1
 179 18.1 12.2 18.2



#73
 Carbazole
 Concen: 2.444 ng
 RT: 17.613 min Scan# 2495
 Delta R.T. 0.000 min
 Lab File: BP025509.D
 Acq: 20 Aug 2025 15:34

Tgt Ion:167 Resp: 86880
 Ion Ratio Lower Upper
 167 100
 166 25.5 17.5 26.3
 139 18.4 10.6 16.0#





#75

Fluoranthene

Concen: 24.014 ng

RT: 19.324 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

Instrument :

BNA_P

ClientSampleId :

ARS10-0047

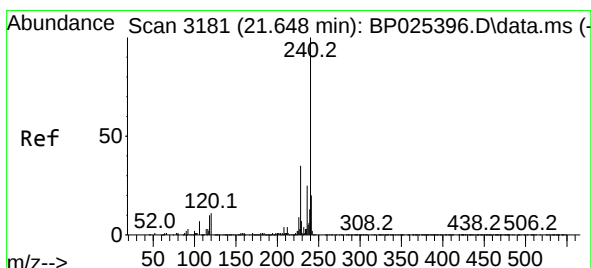
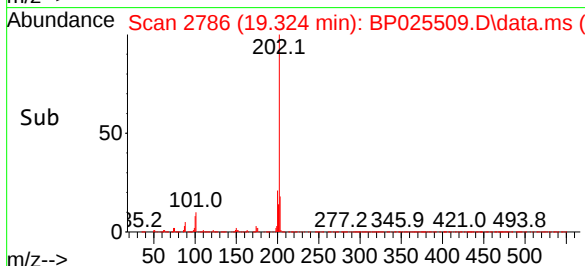
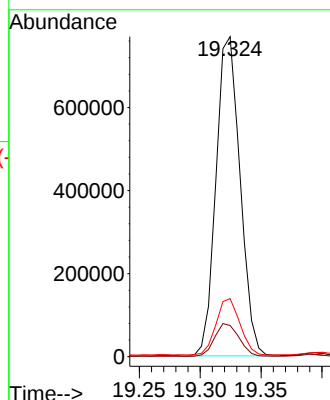
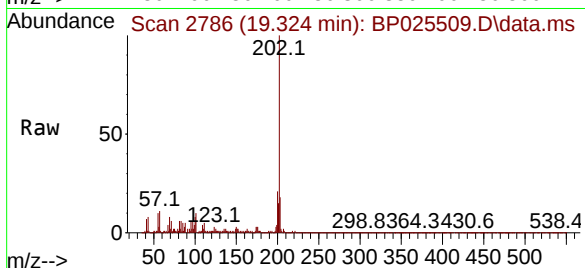
Tgt Ion:202 Resp: 1058459

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.1

203 18.1 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 3180

Delta R.T. -0.006 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

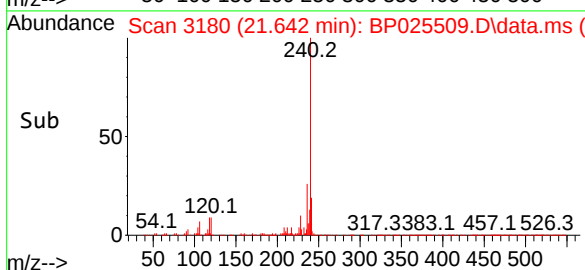
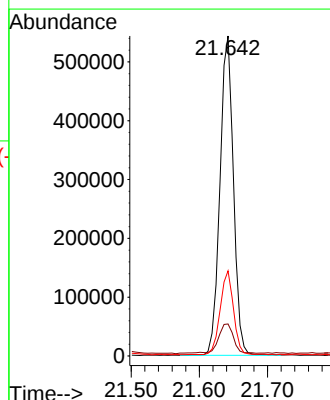
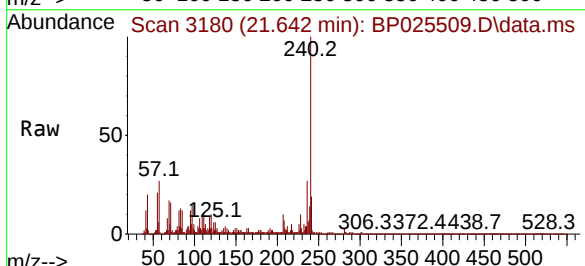
Tgt Ion:240 Resp: 748470

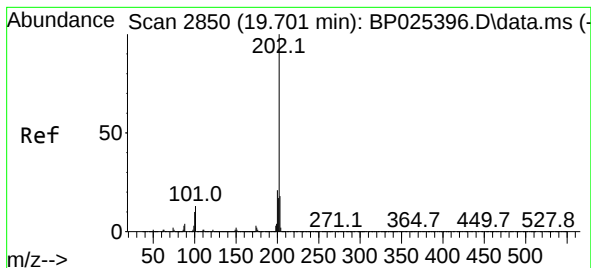
Ion Ratio Lower Upper

240 100

120 10.0 8.9 13.3

236 26.6 19.8 29.8





#78

Pyrene

Concen: 17.814 ng

RT: 19.701 min Scan# 2850

Delta R.T. 0.000 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

Instrument :

BNA_P

ClientSampleId :

ARS10-0047

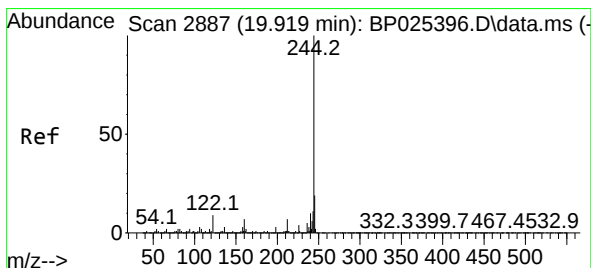
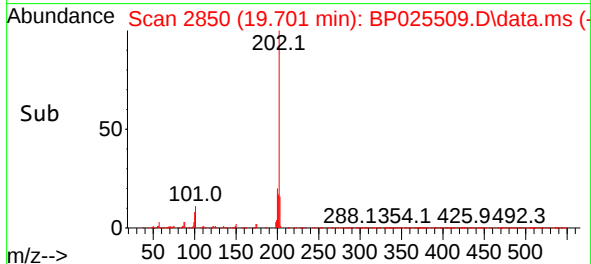
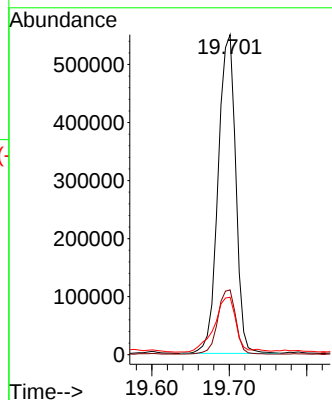
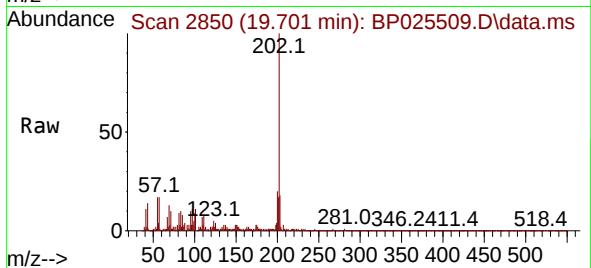
Tgt Ion:202 Resp: 866608

Ion Ratio Lower Upper

202 100

200 20.3 16.9 25.3

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 9.488 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

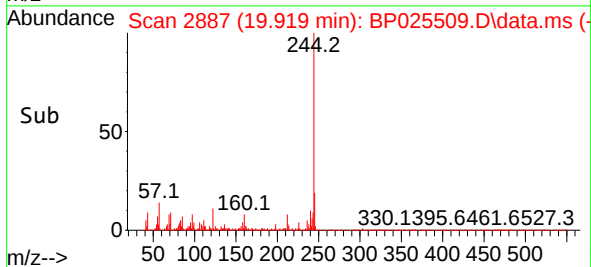
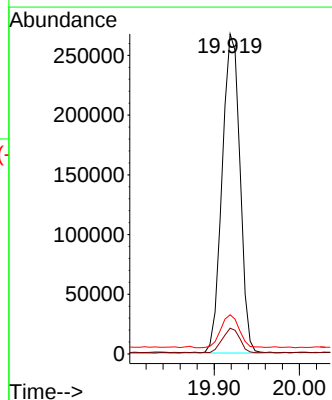
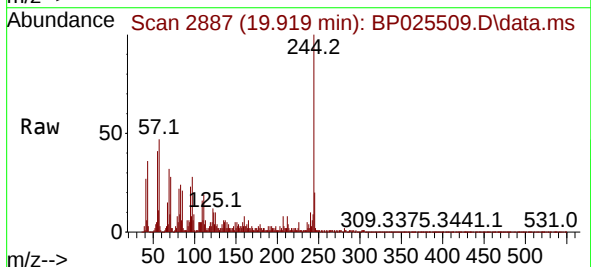
Tgt Ion:244 Resp: 388162

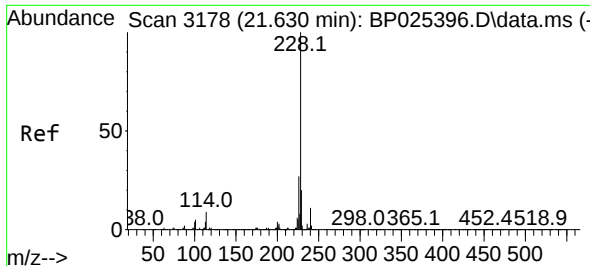
Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.6

122 12.3 7.4 11.2#

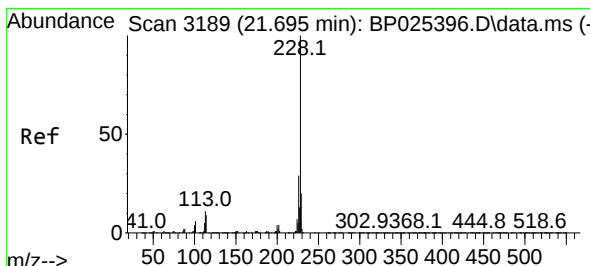
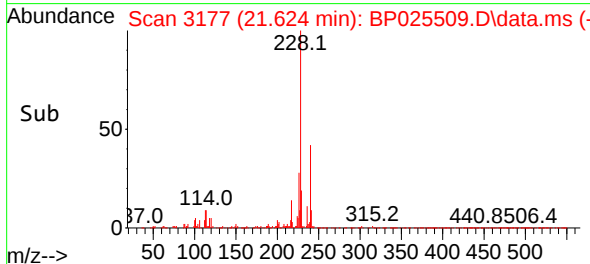
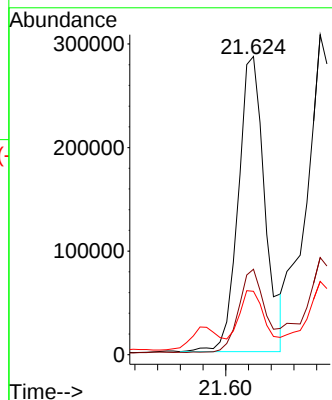
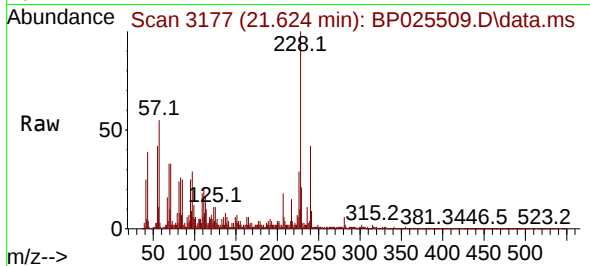




#81
Benzo(a)anthracene
Concen: 9.390 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP025509.D
Acq: 20 Aug 2025 15:34

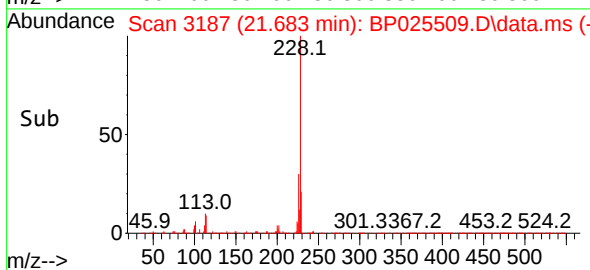
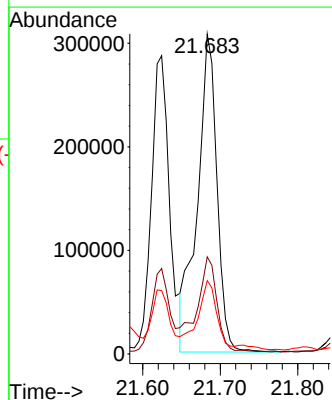
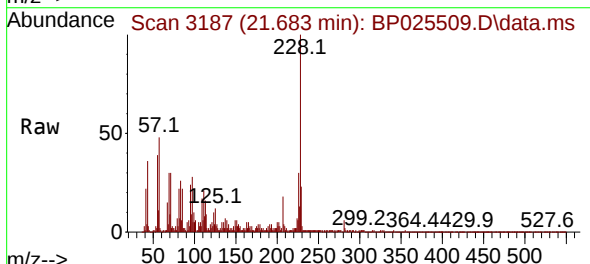
Instrument :
BNA_P
ClientSampleId :
ARS10-0047

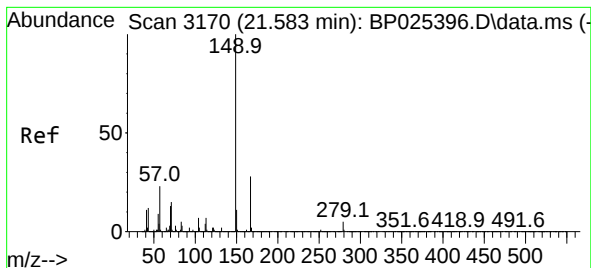
Tgt Ion:228 Resp: 463496
Ion Ratio Lower Upper
228 100
226 28.7 21.7 32.5
229 21.3 15.6 23.4



#83
Chrysene
Concen: 11.724 ng
RT: 21.683 min Scan# 3187
Delta R.T. -0.012 min
Lab File: BP025509.D
Acq: 20 Aug 2025 15:34

Tgt Ion:228 Resp: 541963
Ion Ratio Lower Upper
228 100
226 30.4 23.2 34.8
229 22.9 15.6 23.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 23.436 ng

RT: 21.571 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

Instrument :

BNA_P

ClientSampleId :

ARS10-0047

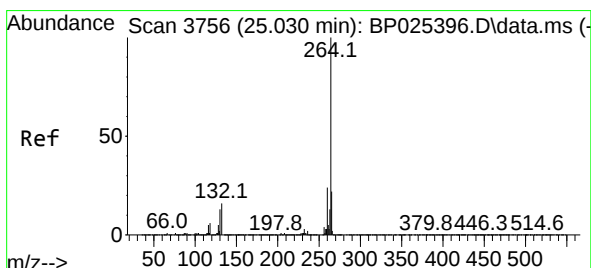
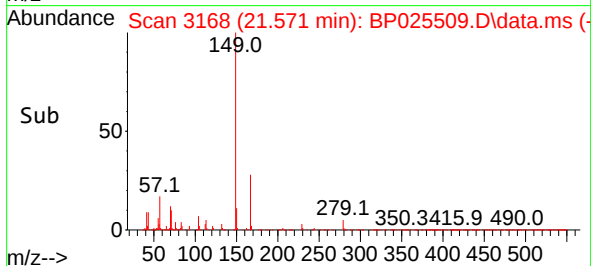
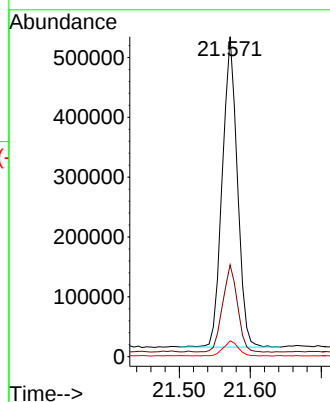
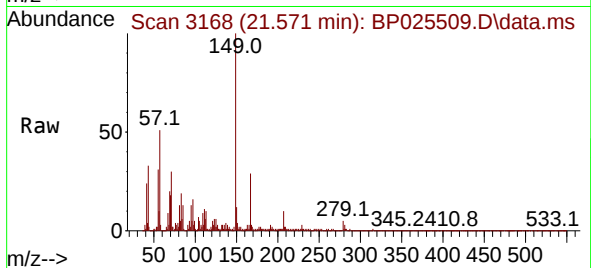
Tgt Ion:149 Resp: 760632

Ion Ratio Lower Upper

149 100

167 28.7 22.1 33.1

279 4.9 3.8 5.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.024 min Scan# 3755

Delta R.T. -0.006 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

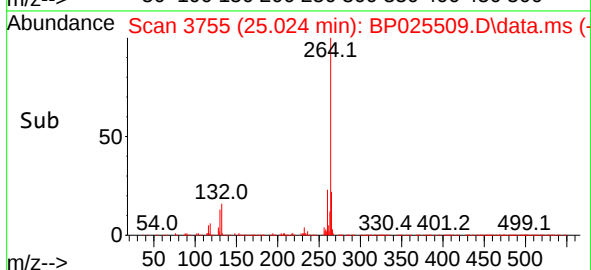
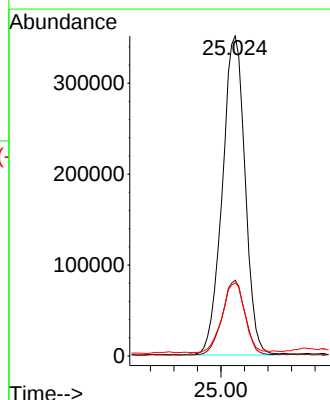
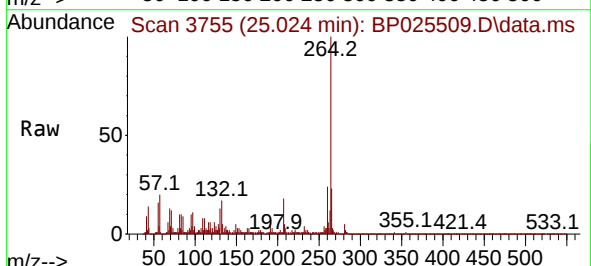
Tgt Ion:264 Resp: 942424

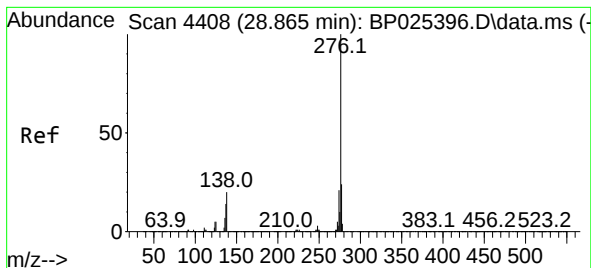
Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 22.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.018 ng

RT: 28.853 min Scan# 4408

Delta R.T. -0.012 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

Instrument :

BNA_P

ClientSampleId :

ARS10-0047

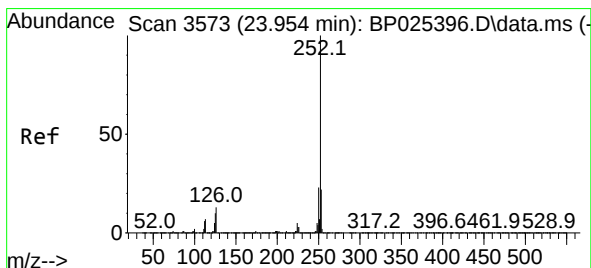
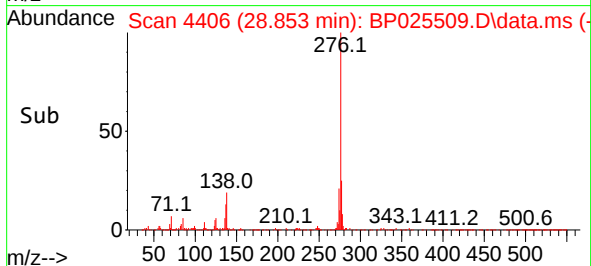
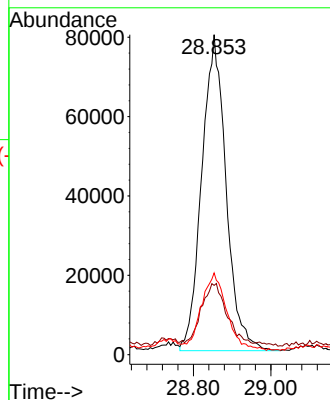
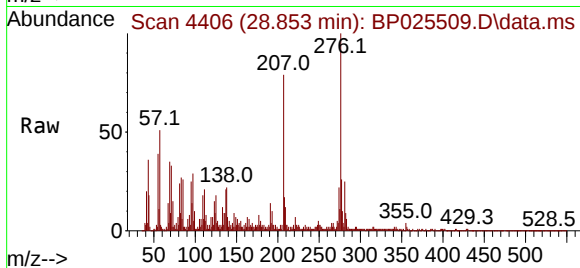
Tgt Ion:276 Resp: 346779

Ion Ratio Lower Upper

276 100

138 19.3 12.9 19.3

277 25.4 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 13.471 ng

RT: 23.954 min Scan# 3573

Delta R.T. 0.000 min

Lab File: BP025509.D

Acq: 20 Aug 2025 15:34

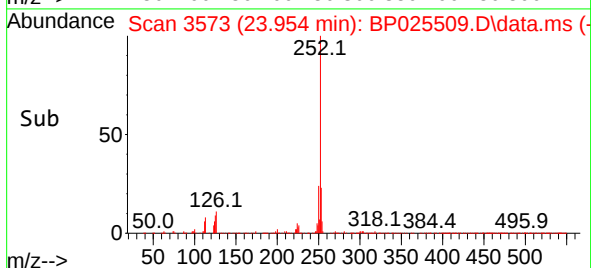
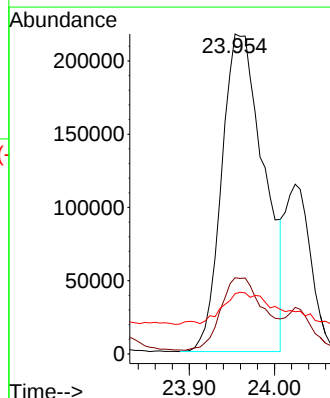
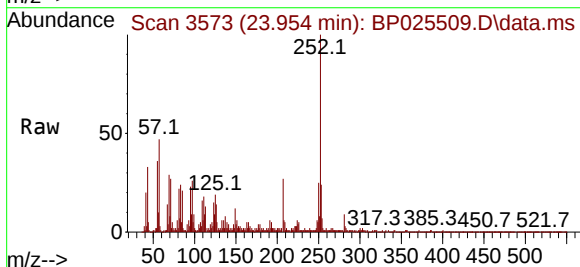
Tgt Ion:252 Resp: 748624

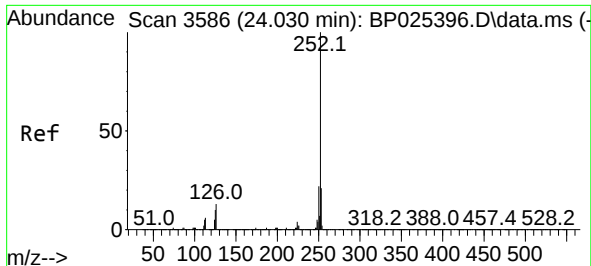
Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 18.9 7.9 11.9#

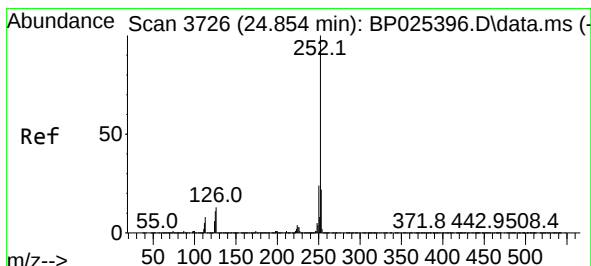
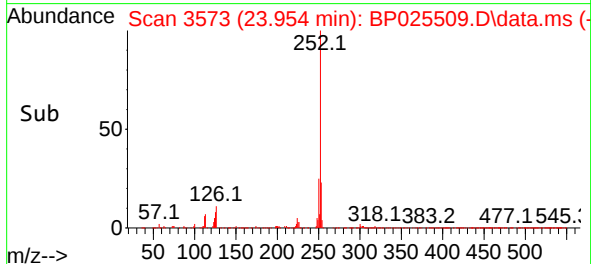
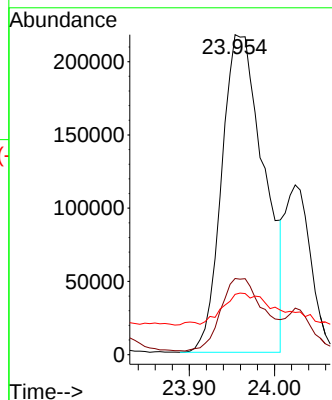
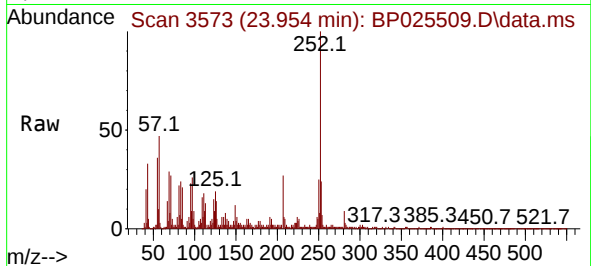




#89
Benzo(k)fluoranthene
Concen: 13.462 ng
RT: 23.954 min Scan# 31
Delta R.T. -0.076 min
Lab File: BP025509.D
Acq: 20 Aug 2025 15:34

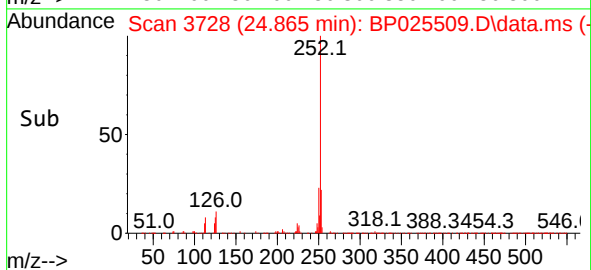
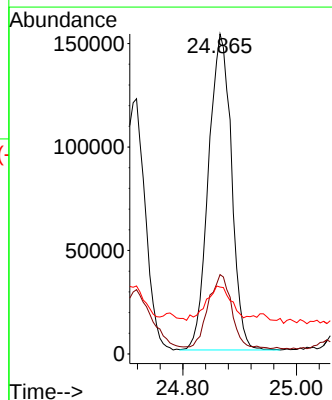
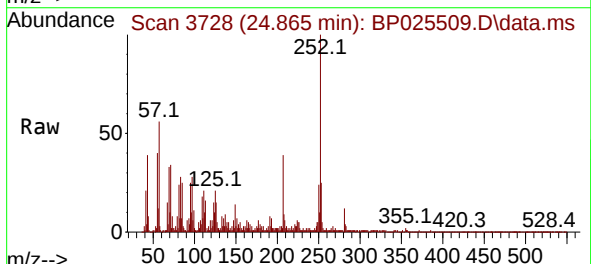
Instrument :
BNA_P
ClientSampleId :
ARS10-0047

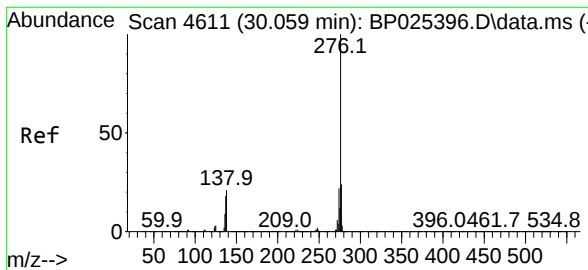
Tgt Ion:252 Resp: 748624
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 18.9 7.8 11.6#



#90
Benzo(a)pyrene
Concen: 7.902 ng
RT: 24.865 min Scan# 3728
Delta R.T. 0.012 min
Lab File: BP025509.D
Acq: 20 Aug 2025 15:34

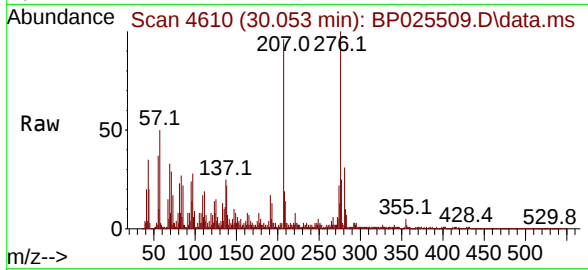
Tgt Ion:252 Resp: 427435
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 20.9 8.7 13.1#





#92
 Benzo(g,h,i)perylene
 Concen: 5.918 ng
 RT: 30.053 min Scan# 4
 Delta R.T. -0.006 min
 Lab File: BP025509.D
 Acq: 20 Aug 2025 15:34

Instrument :
 BNA_P
 ClientSampleId :
 ARS10-0047



Tgt Ion:276 Resp: 328540
 Ion Ratio Lower Upper
 276 100
 277 24.7 19.4 29.0
 138 22.0 16.7 25.1

