

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025506.D
 Acq On : 20 Aug 2025 13:30
 Operator : CG/JU
 Sample : Q2888-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 20 14:11:35 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)

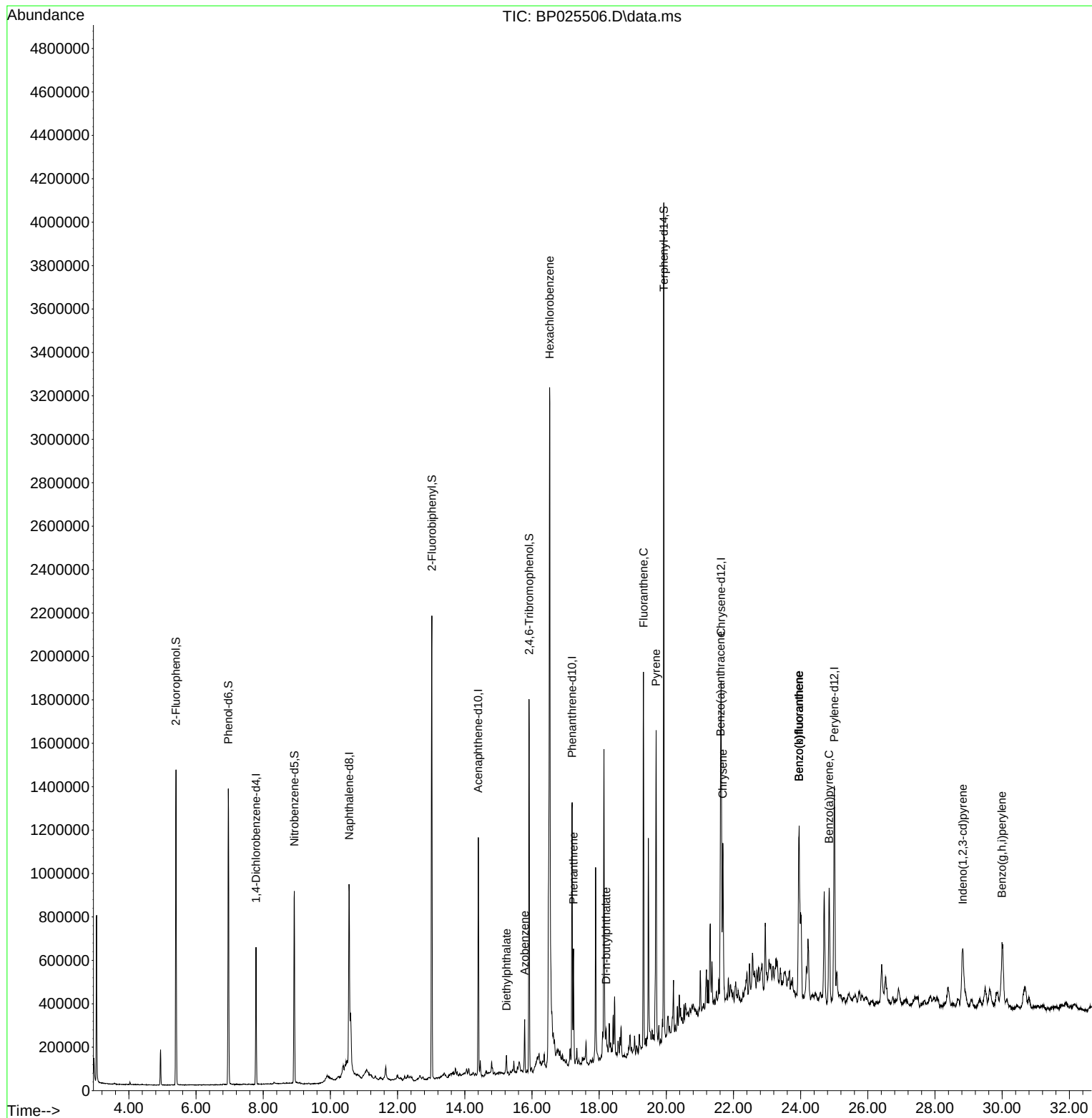
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	164142	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	615631	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	378118	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	712747	20.000	ng	0.00
76) Chrysene-d12	21.630	240	798396	20.000	ng	-0.02
86) Perylene-d12	25.001	264	966395	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	610217	61.738	ng	0.00
7) Phenol-d6	6.960	99	771351	60.870	ng	0.00
23) Nitrobenzene-d5	8.925	82	503870	41.402	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	310039	60.917	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	1121777	40.546	ng	0.00
79) Terphenyl-d14	19.924	244	1682416	38.554	ng	0.00
Target Compounds						Qvalue
60) Diethylphthalate	15.242	149	66923	2.379	ng	97
63) Azobenzene	15.783	77	54101	2.246	ng	# 1
68) Hexachlorobenzene	16.530	284	94340	10.382	ng	# 44
71) Phenanthrene	17.236	178	339988	8.683	ng	99
74) Di-n-butylphthalate	18.207	149	97933	2.114	ng	97
75) Fluoranthene	19.319	202	1056486	22.621	ng	99
78) Pyrene	19.695	202	943378	18.179	ng	99
81) Benzo(a)anthracene	21.613	228	468047	8.889	ng	99
83) Chrysene	21.683	228	638830	12.955	ng	97
87) Indeno(1,2,3-cd)pyrene	28.824	276	490574	6.922	ng	# 91
88) Benzo(b)fluoranthene	23.954	252	926354	16.256	ng	98
89) Benzo(k)fluoranthene	23.954	252	926354	16.245	ng	97
90) Benzo(a)pyrene	24.848	252	555901	10.021	ng	100
92) Benzo(g,h,i)perylene	29.994	276	481691	8.461	ng	98

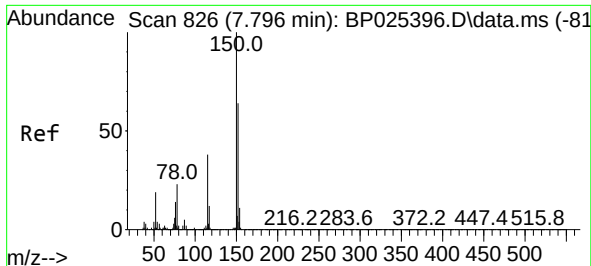
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025506.D
Acq On : 20 Aug 2025 13:30
Operator : CG/JU
Sample : Q2888-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :

Quant Time: Aug 20 14:11:35 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

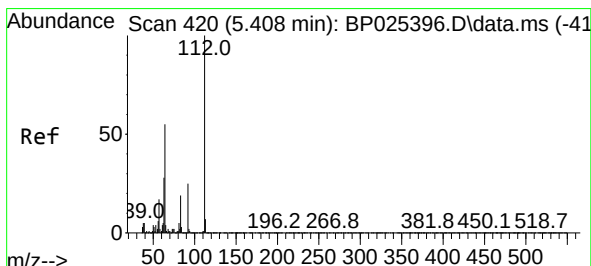
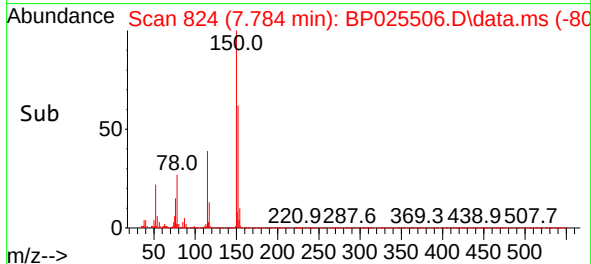
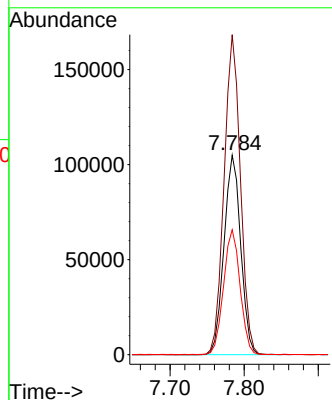
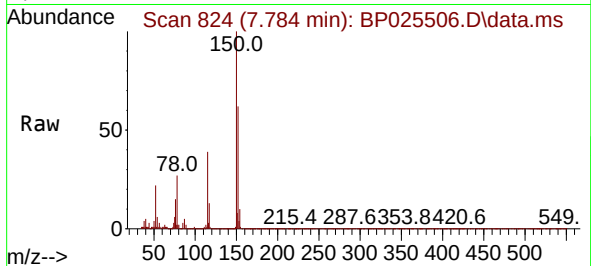




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

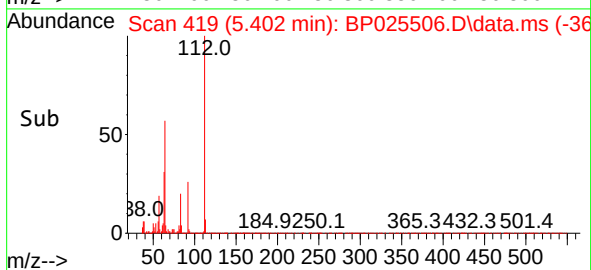
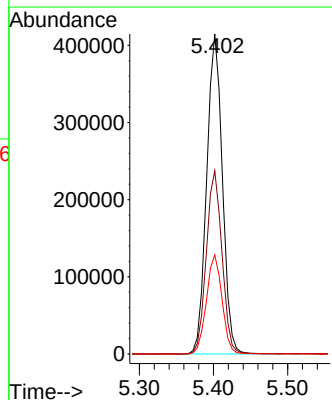
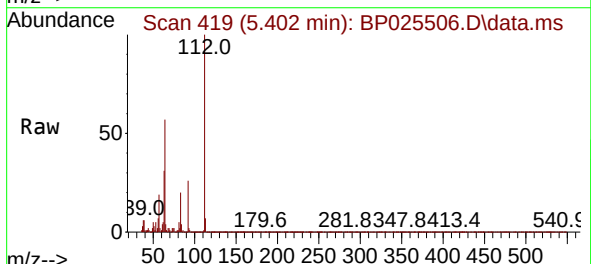
Instrument :
BNA_P
ClientSampleId :

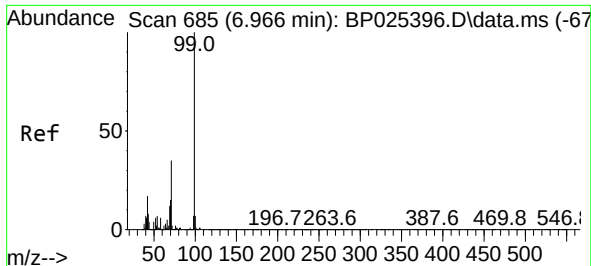
Tgt Ion:152 Resp: 164142
Ion Ratio Lower Upper
152 100
150 160.3 125.9 188.9
115 62.6 48.5 72.7



#5
2-Fluorophenol
Concen: 61.738 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

Tgt Ion:112 Resp: 610217
Ion Ratio Lower Upper
112 100
64 57.2 43.8 65.8
63 31.0 22.7 34.1

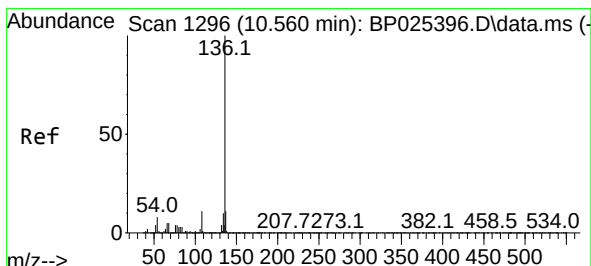
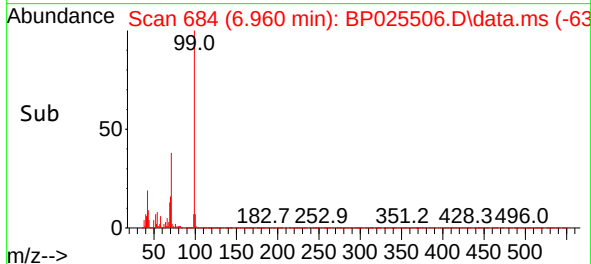
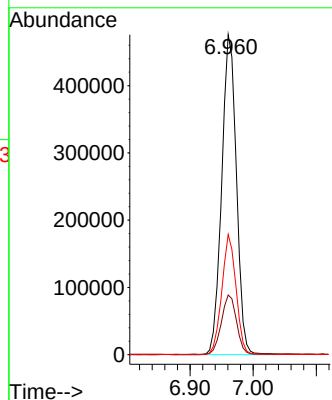
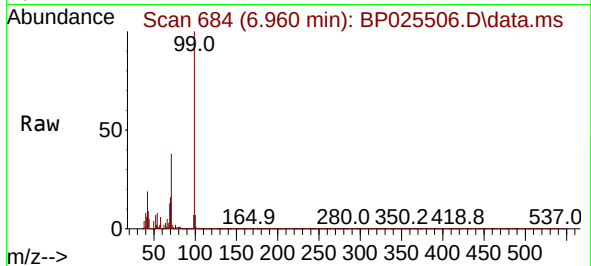




#7
Phenol-d6
Concen: 60.870 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

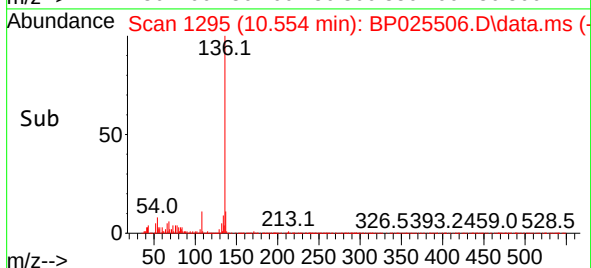
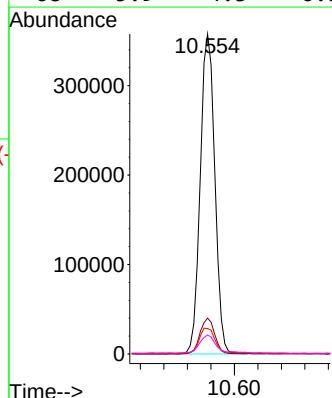
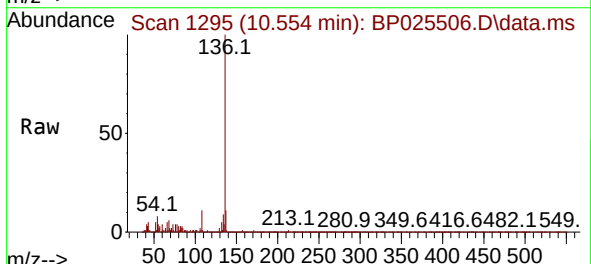
Instrument :
BNA_P
ClientSampleId :

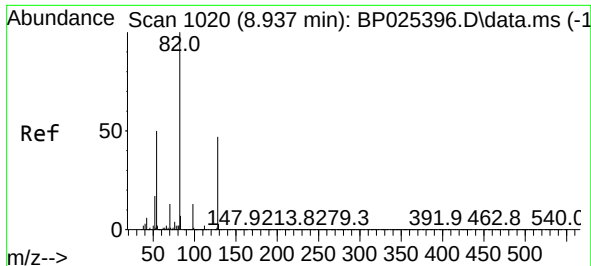
Tgt Ion: 99 Resp: 771351
Ion Ratio Lower Upper
99 100
42 18.7 13.7 20.5
71 37.5 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

Tgt Ion:136 Resp: 615631
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.0 6.0 9.0
68 5.9 4.3 6.5

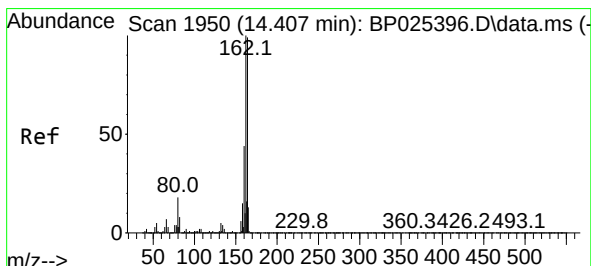
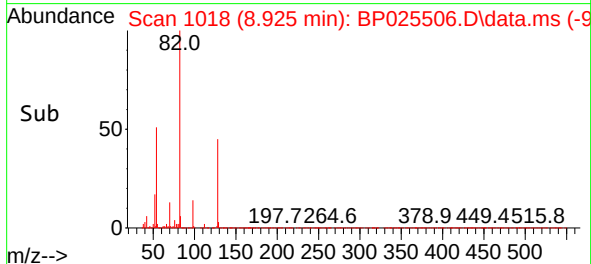
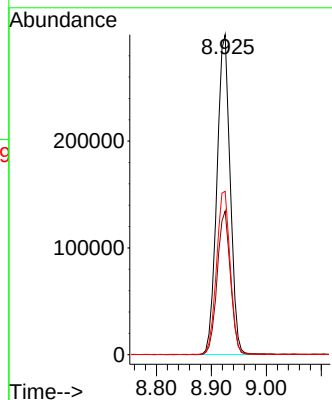
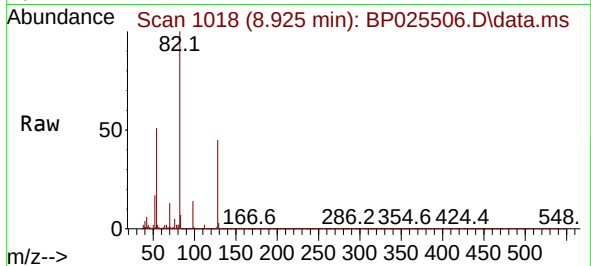




#23
Nitrobenzene-d5
Concen: 41.402 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

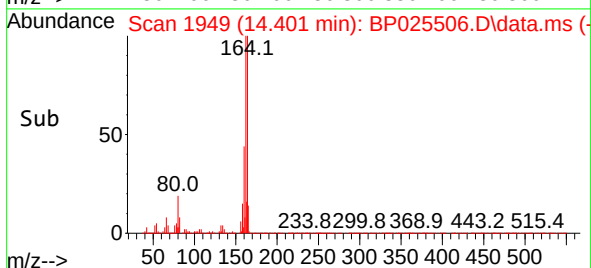
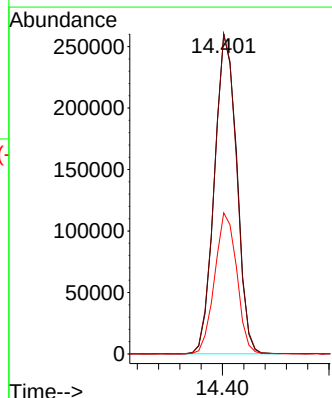
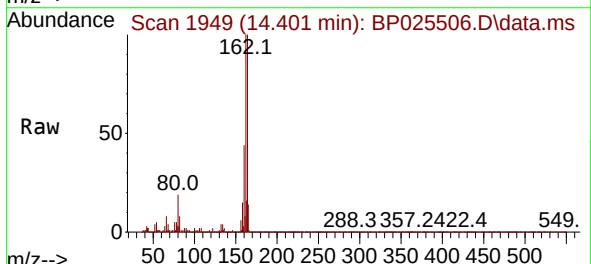
Instrument :
BNA_P
ClientSampleId :

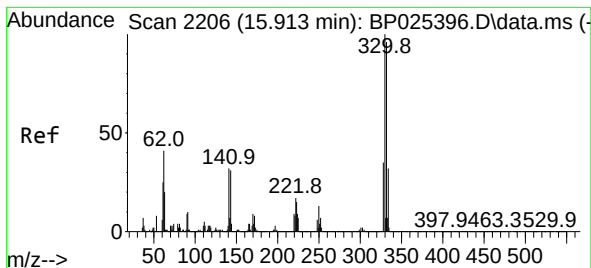
Tgt Ion: 82 Resp: 503870
Ion Ratio Lower Upper
82 100
128 44.9 37.7 56.5
54 51.0 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

Tgt Ion:164 Resp: 378118
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.6
160 44.1 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 60.917 ng

RT: 15.913 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

Instrument :

BNA_P

ClientSampleId :

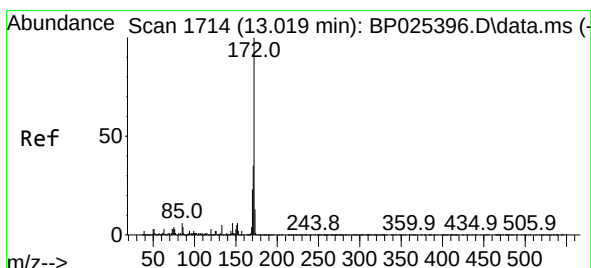
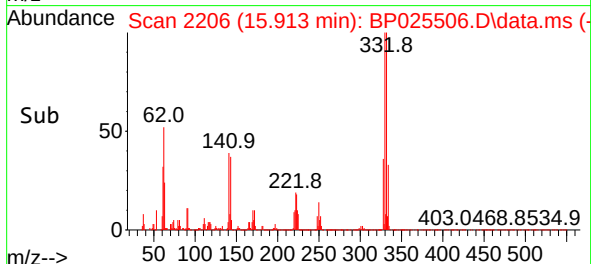
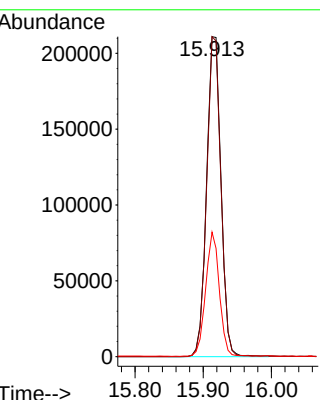
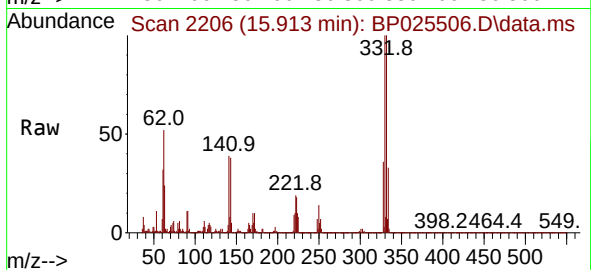
Tgt Ion:330 Resp: 310039

Ion Ratio Lower Upper

330 100

332 98.3 77.3 115.9

141 37.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 40.546 ng

RT: 13.019 min Scan# 1714

Delta R.T. 0.000 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

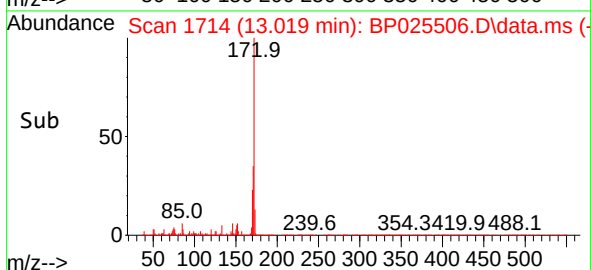
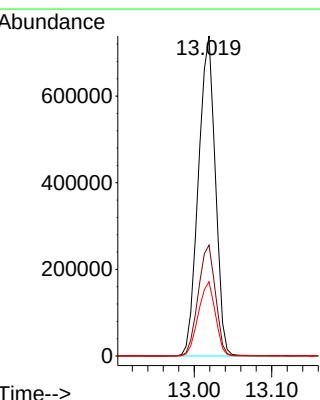
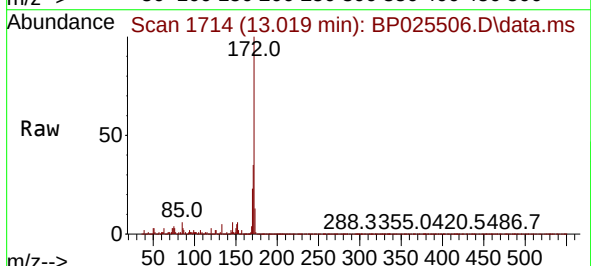
Tgt Ion:172 Resp: 1121777

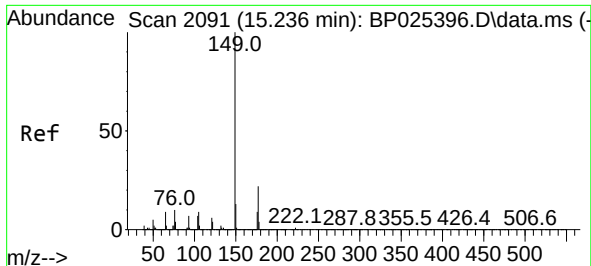
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.2 18.6 28.0

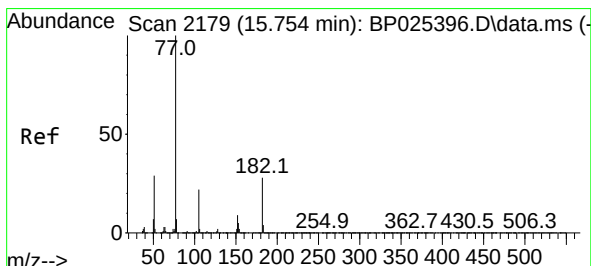
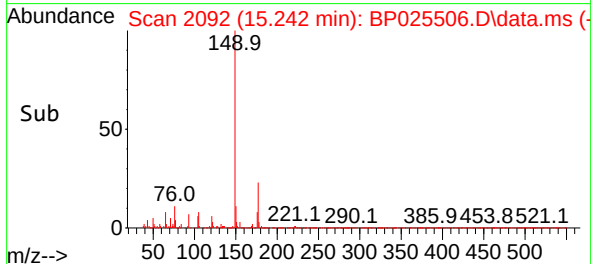
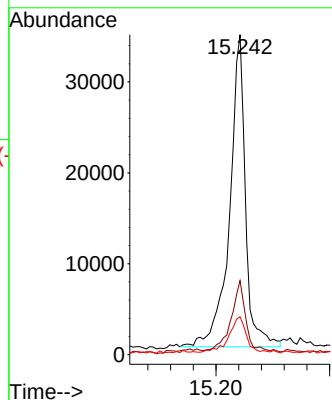
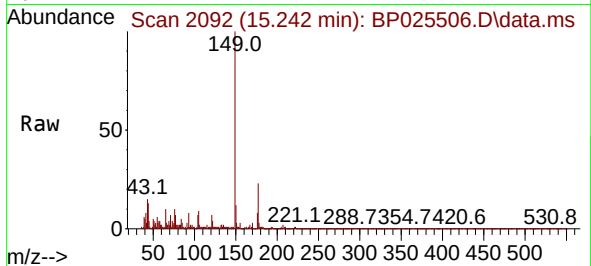




#60
Diethylphthalate
Concen: 2.379 ng
RT: 15.242 min Scan# 2091
Delta R.T. 0.006 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

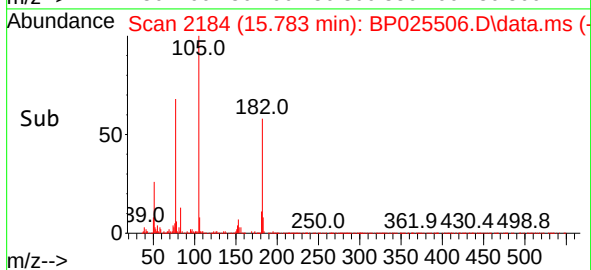
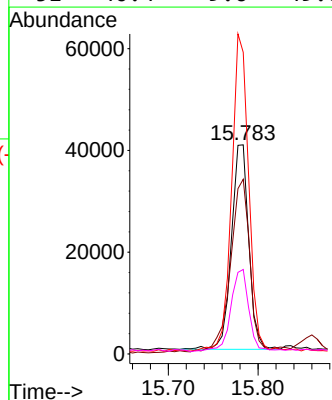
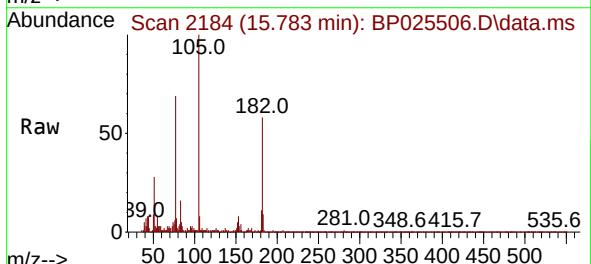
Instrument :
BNA_P
ClientSampleId :

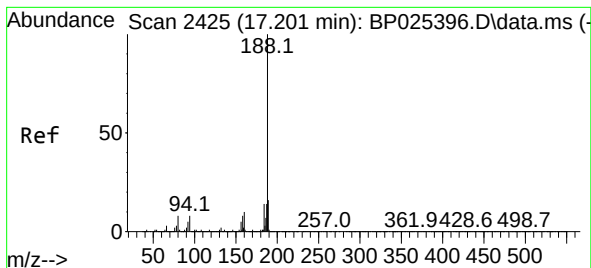
Tgt Ion:149 Resp: 66923
Ion Ratio Lower Upper
149 100
177 23.2 17.3 25.9
150 11.8 10.3 15.5



#63
Azobenzene
Concen: 2.246 ng
RT: 15.783 min Scan# 2184
Delta R.T. 0.029 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

Tgt Ion: 77 Resp: 54101
Ion Ratio Lower Upper
77 100
182 83.6 7.5 47.5#
105 144.3 2.1 42.1#
51 40.4 9.6 49.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.195 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

Instrument :

BNA_P

ClientSampleId :

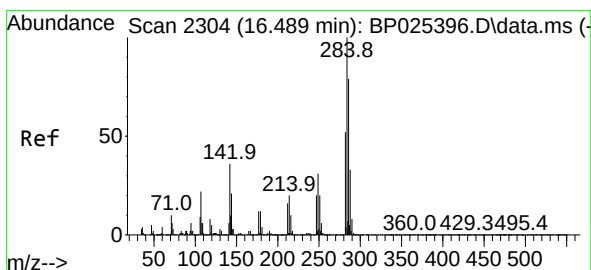
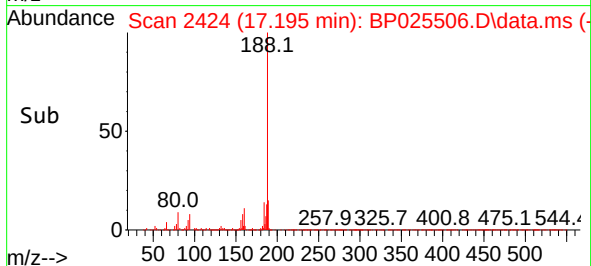
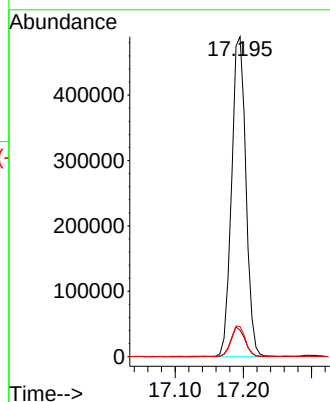
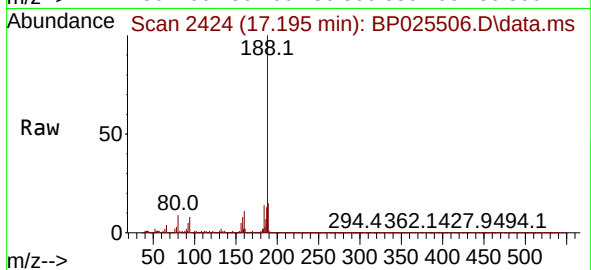
Tgt Ion:188 Resp: 712747

Ion Ratio Lower Upper

188 100

94 8.3 6.6 10.0

80 9.4 6.7 10.1



#68

Hexachlorobenzene

Concen: 10.382 ng

RT: 16.530 min Scan# 2311

Delta R.T. 0.041 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

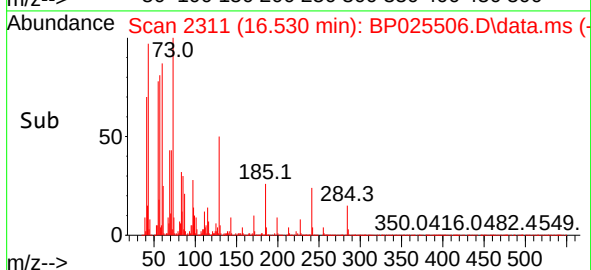
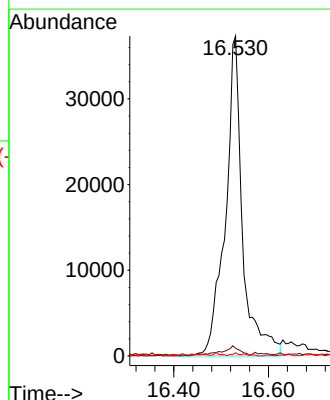
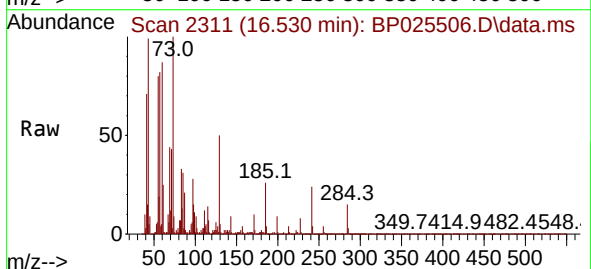
Tgt Ion:284 Resp: 94340

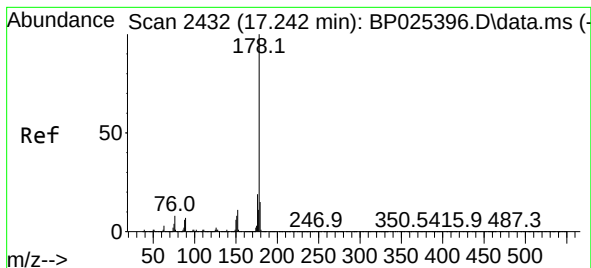
Ion Ratio Lower Upper

284 100

142 2.4 29.1 43.7#

249 1.0 25.0 37.4#





#71

Phenanthrene

Concen: 8.683 ng

RT: 17.236 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

Instrument :

BNA_P

ClientSampleId :

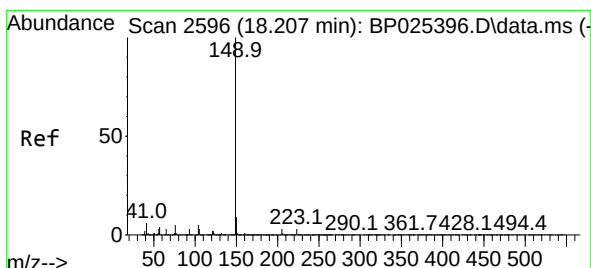
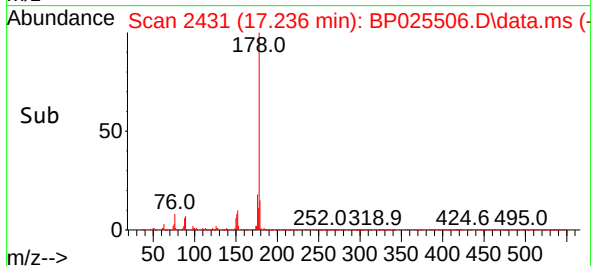
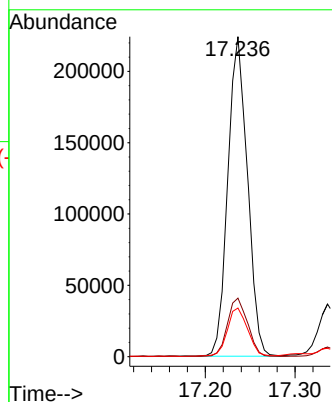
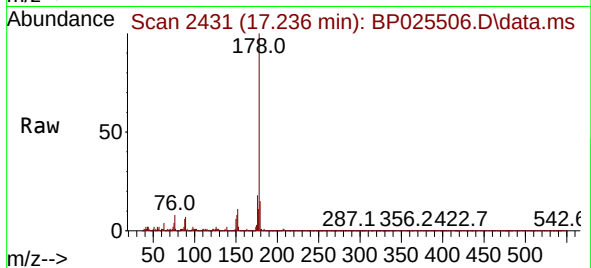
Tgt Ion:178 Resp: 339988

Ion Ratio Lower Upper

178 100

176 18.3 15.5 23.3

179 15.2 12.2 18.4



#74

Di-n-butylphthalate

Concen: 2.114 ng

RT: 18.207 min Scan# 2596

Delta R.T. -0.000 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

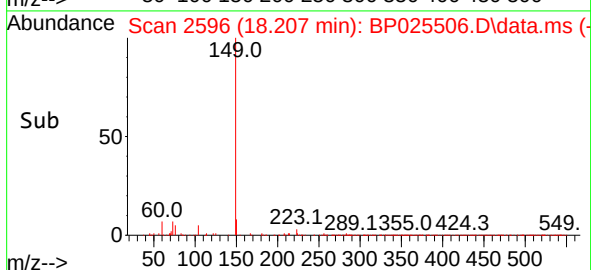
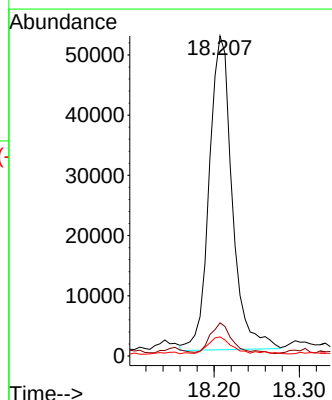
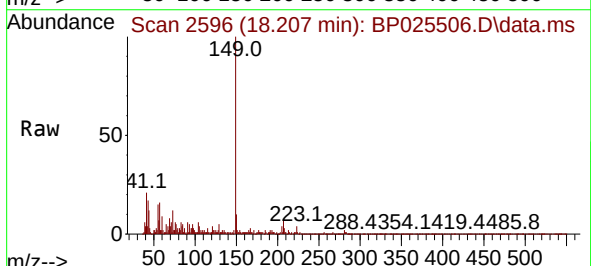
Tgt Ion:149 Resp: 97933

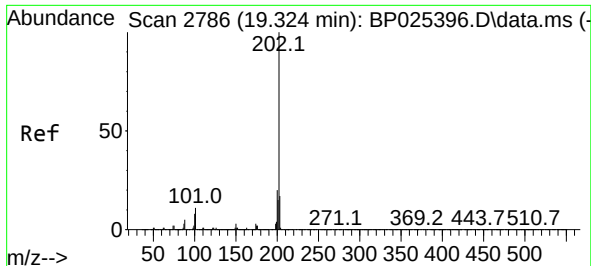
Ion Ratio Lower Upper

149 100

150 10.3 7.4 11.0

104 6.0 4.2 6.2

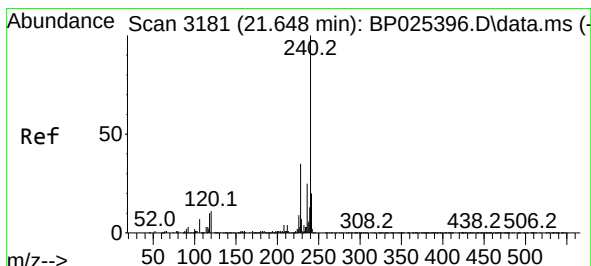
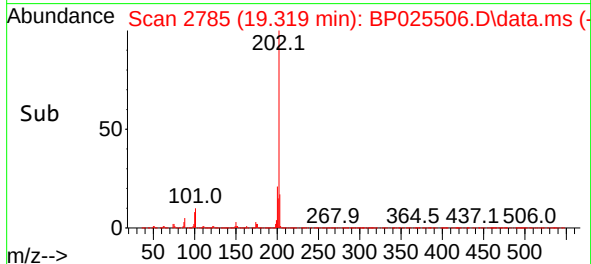
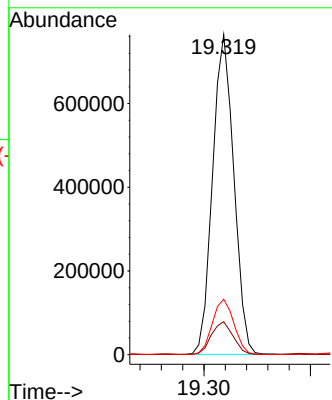
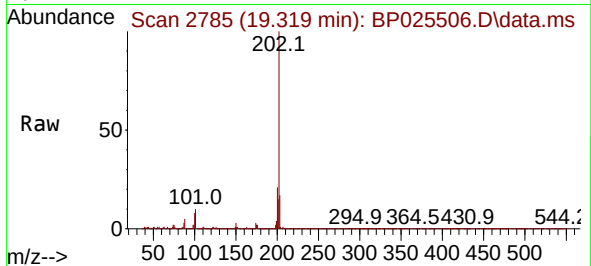




#75
Fluoranthene
Concen: 22.621 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

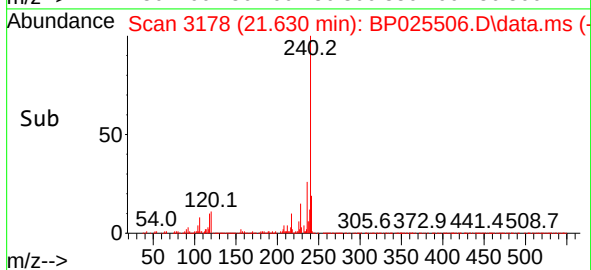
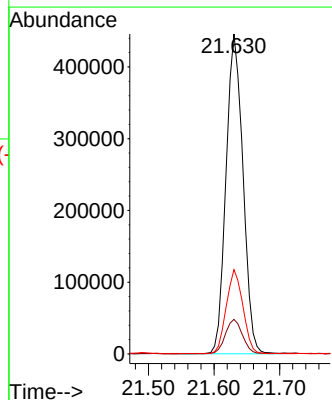
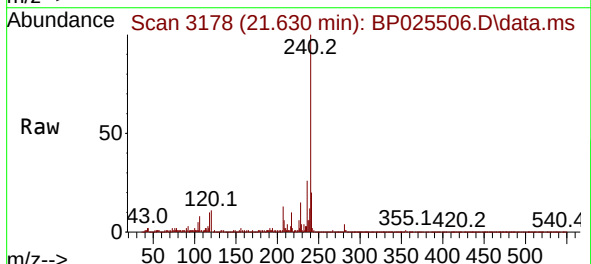
Instrument :
BNA_P
ClientSampleId :

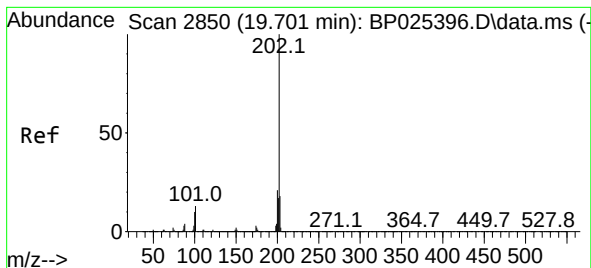
Tgt Ion:202 Resp: 1056486
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.1
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

Tgt Ion:240 Resp: 798396
Ion Ratio Lower Upper
240 100
120 10.8 8.9 13.3
236 26.3 19.8 29.8





#78

Pyrene

Concen: 18.179 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

Instrument :

BNA_P

ClientSampleId :

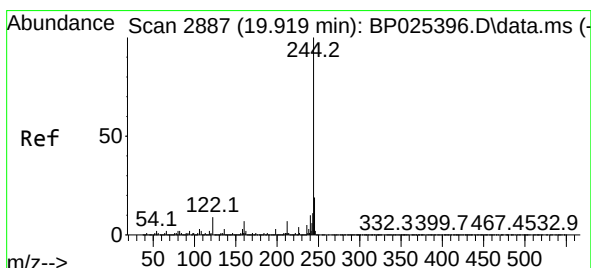
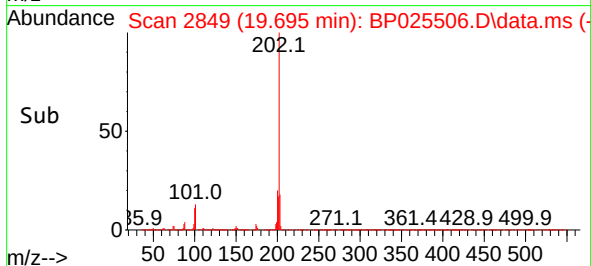
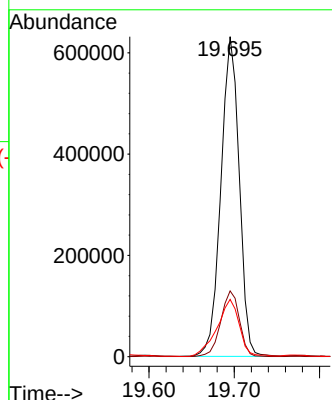
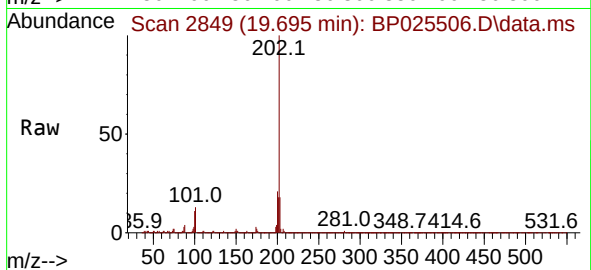
Tgt Ion:202 Resp: 943378

Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 38.554 ng

RT: 19.924 min Scan# 2888

Delta R.T. 0.006 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

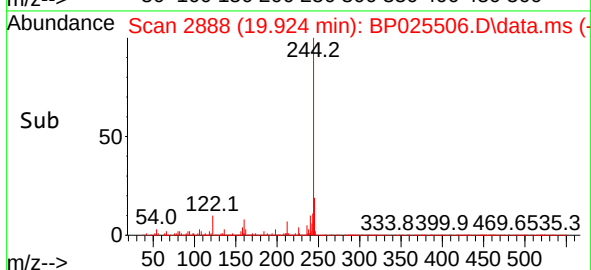
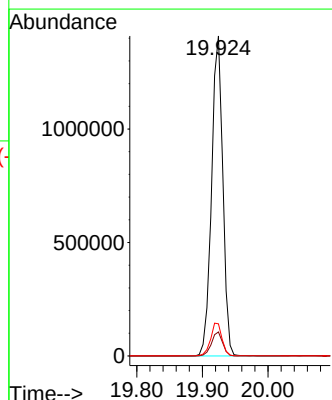
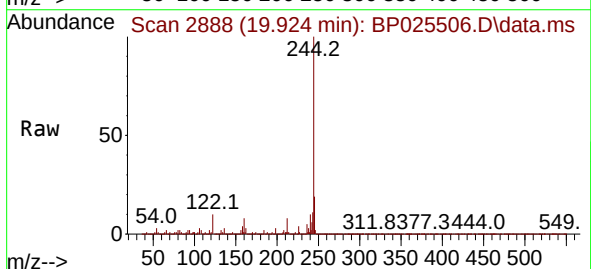
Tgt Ion:244 Resp: 1682416

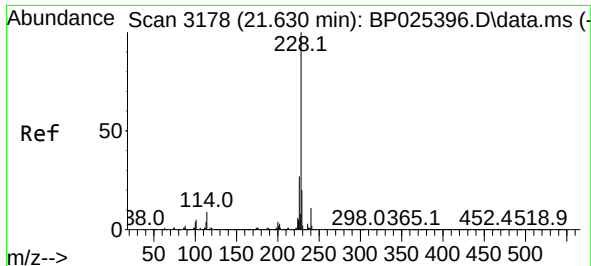
Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 10.1 7.4 11.2

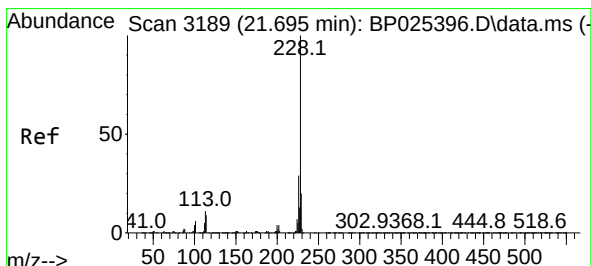
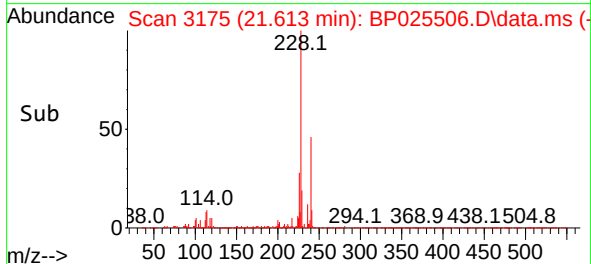
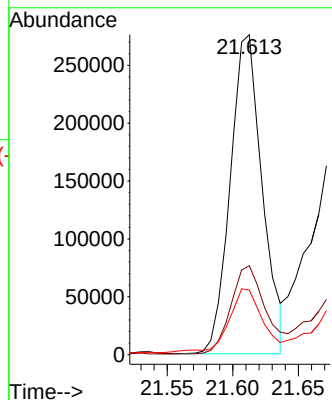
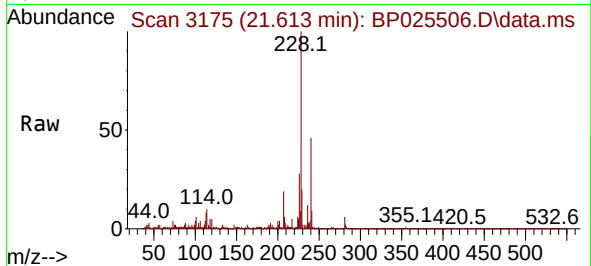




#81
Benzo(a)anthracene
Concen: 8.889 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.018 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

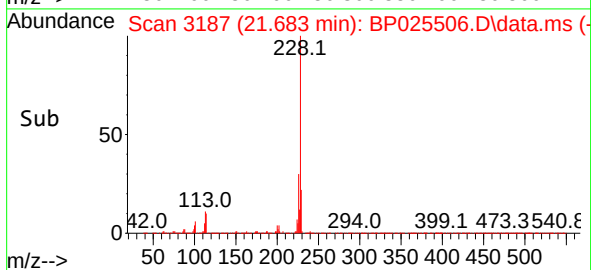
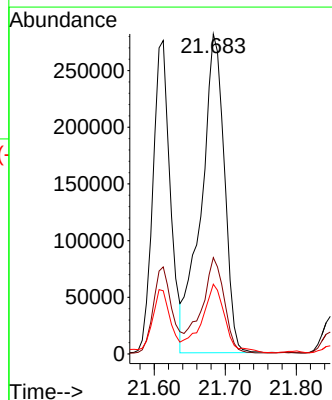
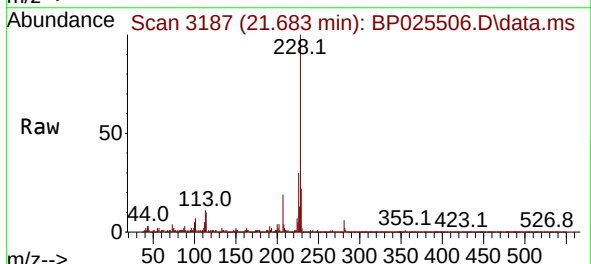
Instrument :
BNA_P
ClientSampleId :

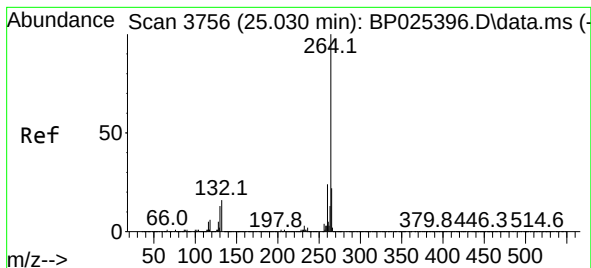
Tgt Ion:228 Resp: 468047
Ion Ratio Lower Upper
228 100
226 27.8 21.7 32.5
229 20.2 15.6 23.4



#83
Chrysene
Concen: 12.955 ng
RT: 21.683 min Scan# 3187
Delta R.T. -0.012 min
Lab File: BP025506.D
Acq: 20 Aug 2025 13:30

Tgt Ion:228 Resp: 638830
Ion Ratio Lower Upper
228 100
226 30.1 23.2 34.8
229 21.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.001 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

Instrument :

BNA_P

ClientSampleId :

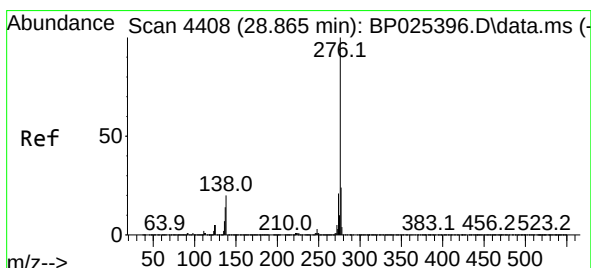
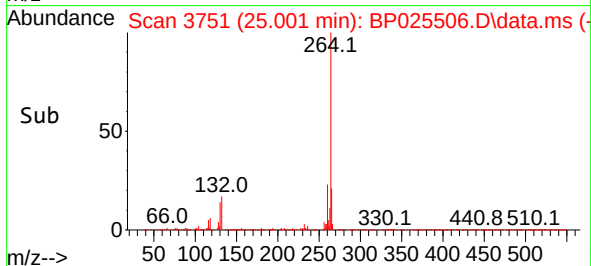
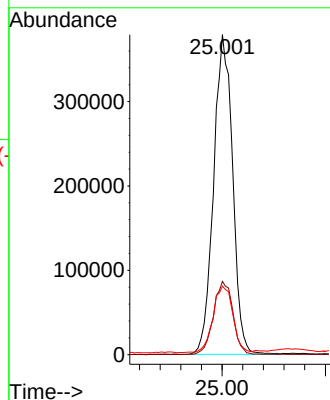
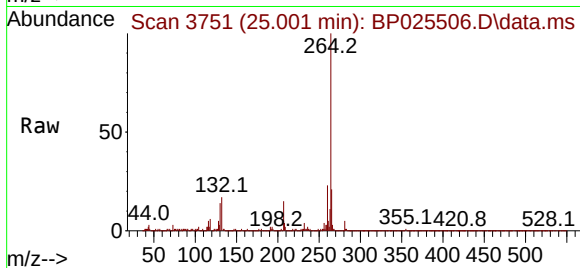
Tgt Ion:264 Resp: 966395

Ion Ratio Lower Upper

264 100

260 22.9 19.3 28.9

265 21.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.922 ng

RT: 28.824 min Scan# 4401

Delta R.T. -0.041 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

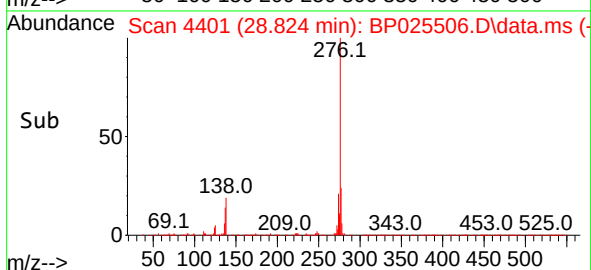
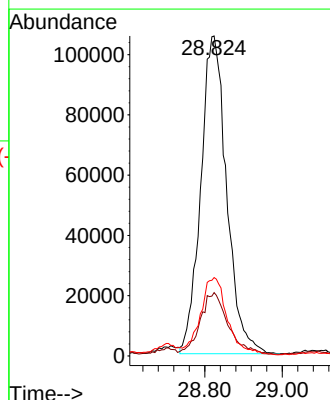
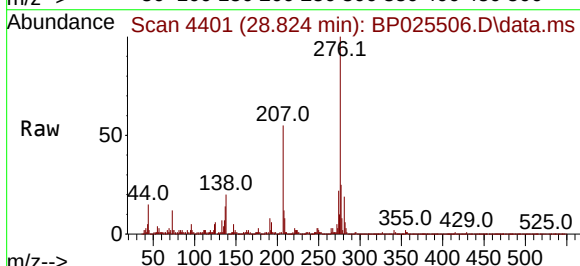
Tgt Ion:276 Resp: 490574

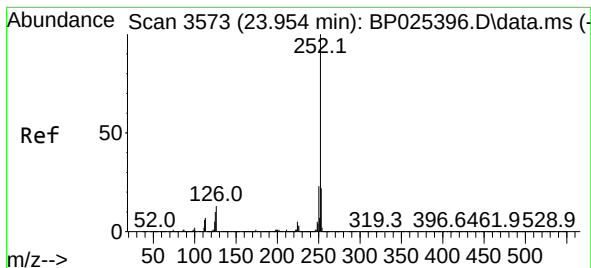
Ion Ratio Lower Upper

276 100

138 20.6 12.9 19.3#

277 25.2 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 16.256 ng

RT: 23.954 min Scan# 3573

Delta R.T. 0.000 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

Instrument :

BNA_P

ClientSampleId :

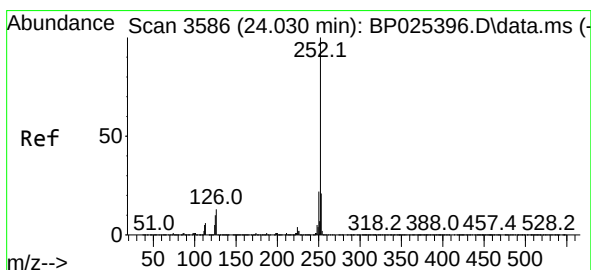
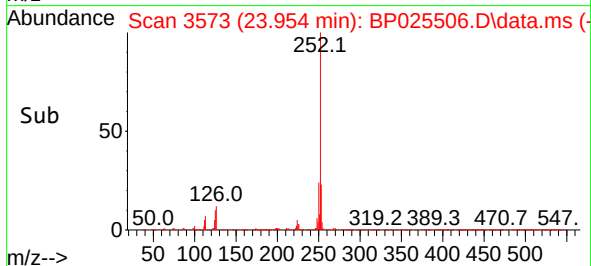
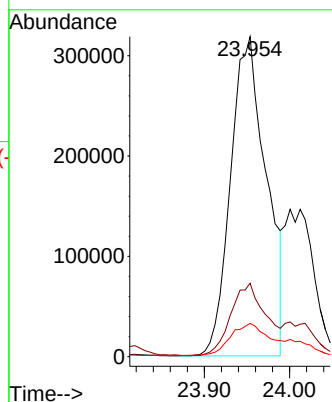
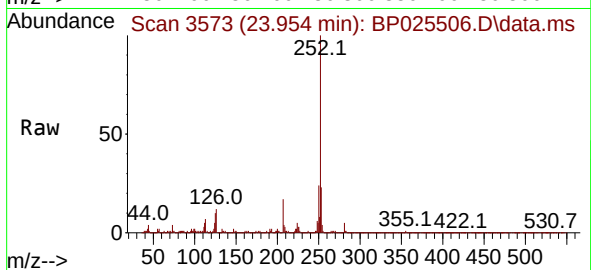
Tgt Ion:252 Resp: 926354

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 10.4 7.9 11.9



#89

Benzo(k)fluoranthene

Concen: 16.245 ng

RT: 23.954 min Scan# 3573

Delta R.T. -0.076 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

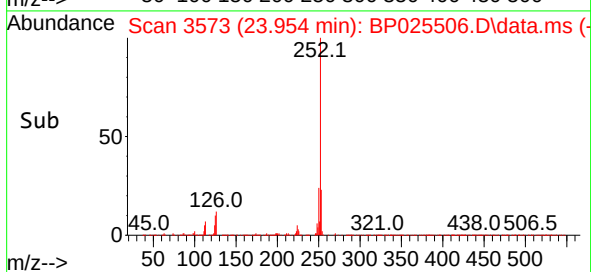
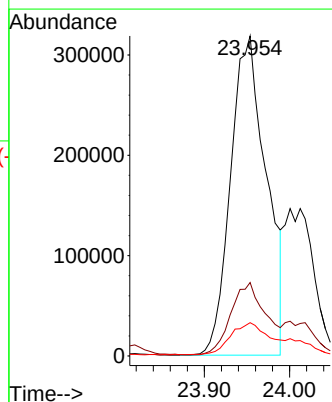
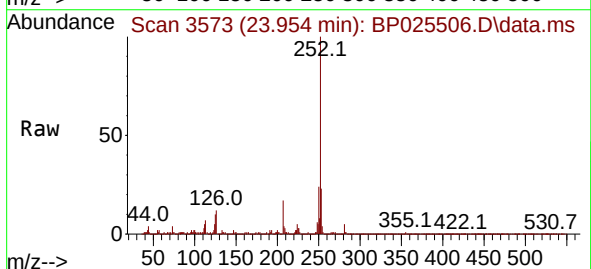
Tgt Ion:252 Resp: 926354

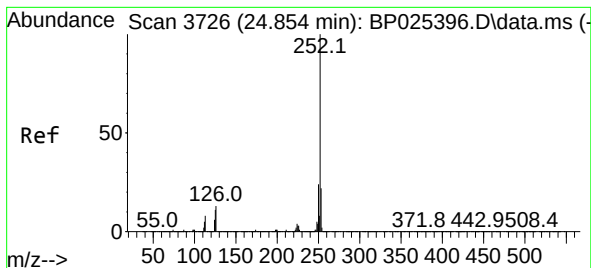
Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 10.4 7.8 11.6





#90

Benzo(a)pyrene

Concen: 10.021 ng

RT: 24.848 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025506.D

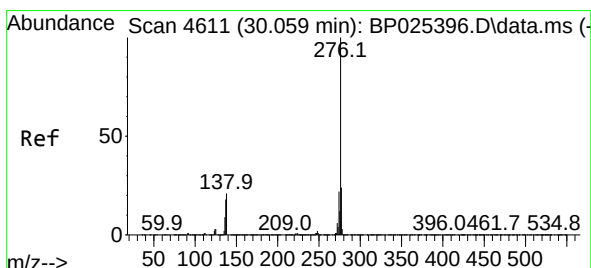
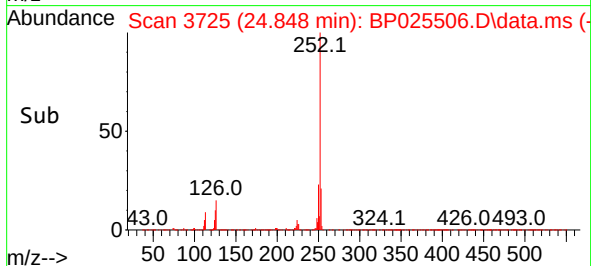
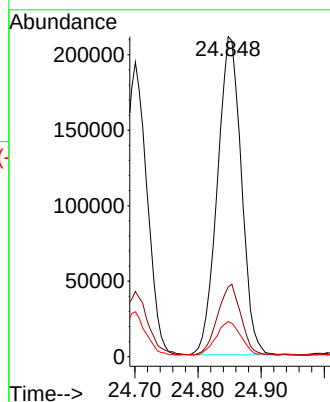
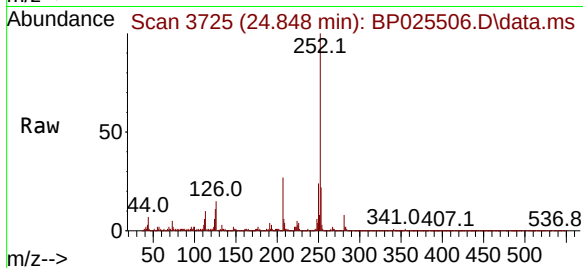
Acq: 20 Aug 2025 13:30

Instrument :

BNA_P

ClientSampleId :

Tgt Ion:252	Resp: 555901
Ion Ratio	Lower Upper
252	100
253	21.8 17.5 26.3
125	10.9 8.7 13.1



#92

Benzo(g,h,i)perylene

Concen: 8.461 ng

RT: 29.994 min Scan# 4600

Delta R.T. -0.065 min

Lab File: BP025506.D

Acq: 20 Aug 2025 13:30

Tgt Ion:276	Resp: 481691
Ion Ratio	Lower Upper
276	100
277	22.7 19.4 29.0
138	20.8 16.7 25.1

