

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
 Data File : BP025547.D
 Acq On : 22 Aug 2025 13:32
 Operator : CG/JU
 Sample : Q2832-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TG-S01

Quant Time: Aug 22 14:05:05 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)

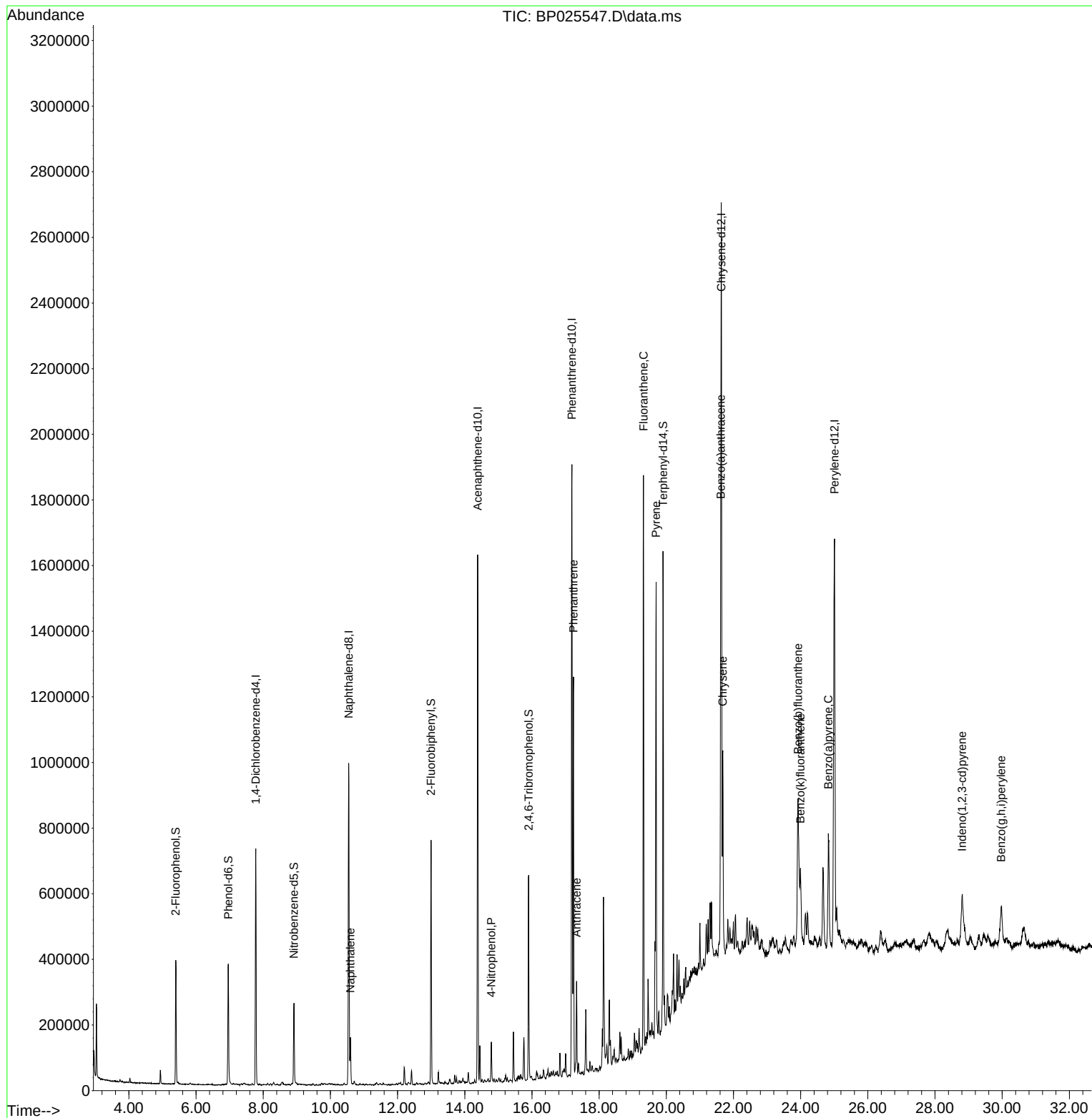
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	203646	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	856804	20.000	ng	-0.02
39) Acenaphthene-d10	14.384	164	567110	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	1156512	20.000	ng	-0.01
76) Chrysene-d12	21.636	240	1172172	20.000	ng	-0.01
86) Perylene-d12	25.007	264	1294508	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	169847	13.851	ng	-0.01
7) Phenol-d6	6.960	99	230001	14.629	ng	0.00
23) Nitrobenzene-d5	8.913	82	146959	8.676	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	109864	14.393	ng	-0.01
45) 2-Fluorobiphenyl	12.995	172	390090	9.401	ng	-0.02
79) Terphenyl-d14	19.901	244	643164	10.039	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.596	128	119323	2.679	ng	99
56) 4-Nitrophenol	14.789	139	28512	3.523	ng	# 10
71) Phenanthrene	17.236	178	756424	11.906	ng	100
72) Anthracene	17.330	178	183602	2.830	ng	99
75) Fluoranthene	19.319	202	1019212	13.449	ng	99
78) Pyrene	19.695	202	869774	11.416	ng	99
81) Benzo(a)anthracene	21.618	228	495667	6.412	ng	97
83) Chrysene	21.683	228	430321	5.944	ng	97
87) Indeno(1,2,3-cd)pyrene	28.806	276	269905	2.843	ng	# 89
88) Benzo(b)fluoranthene	23.918	252	565395	7.407	ng	95
89) Benzo(k)fluoranthene	23.995	252	163807	2.144	ng	97
90) Benzo(a)pyrene	24.824	252	399560	5.377	ng	98
92) Benzo(g,h,i)perylene	29.971	276	241393	3.165	ng	98

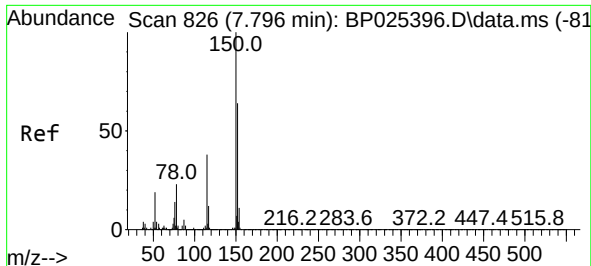
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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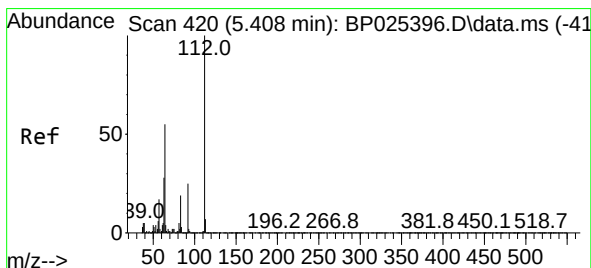
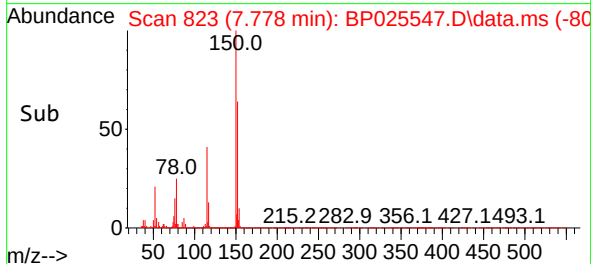
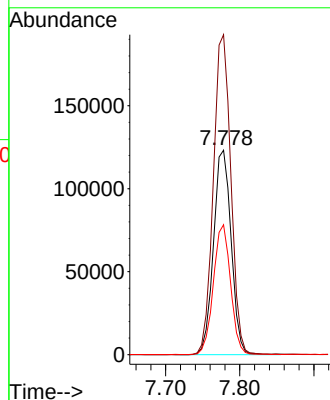
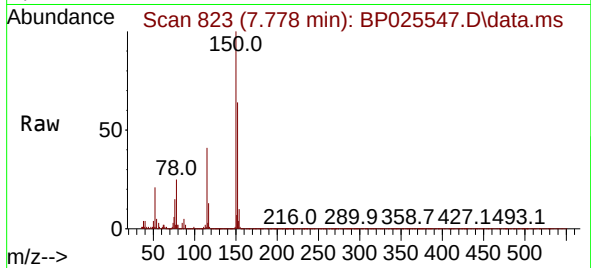




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

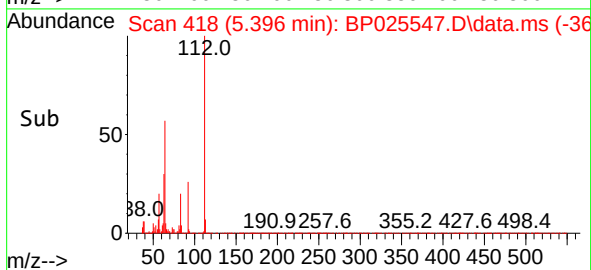
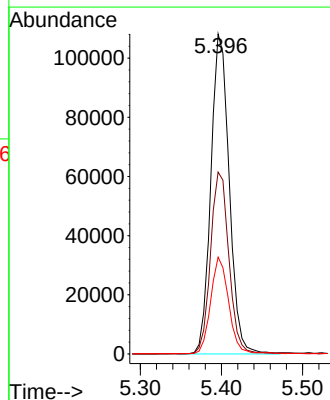
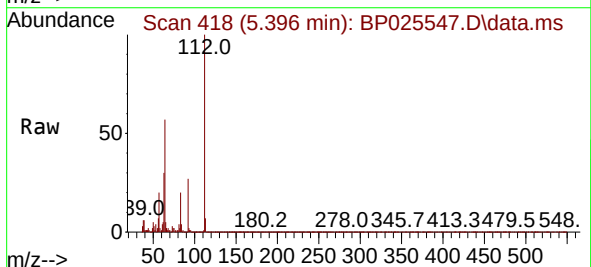
Instrument :
BNA_P
ClientSampleId :
TG-S01

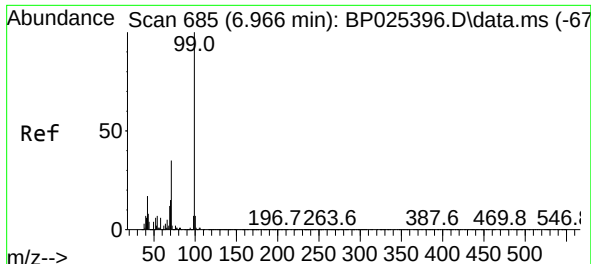
Tgt Ion:152 Resp: 203646
Ion Ratio Lower Upper
152 100
150 156.5 125.9 188.9
115 63.6 48.5 72.7



#5
2-Fluorophenol
Concen: 13.851 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:112 Resp: 169847
Ion Ratio Lower Upper
112 100
64 56.9 43.8 65.8
63 30.3 22.7 34.1

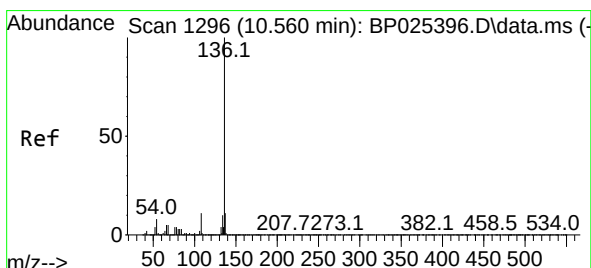
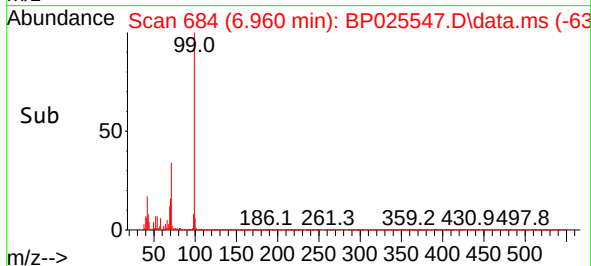
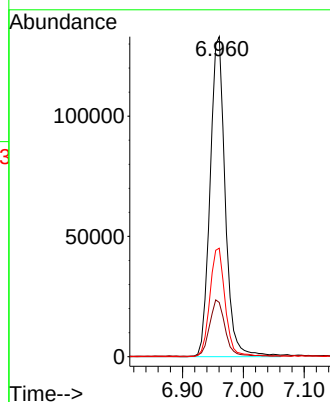
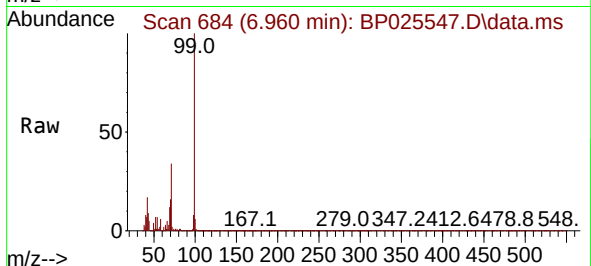




#7
Phenol-d6
Concen: 14.629 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

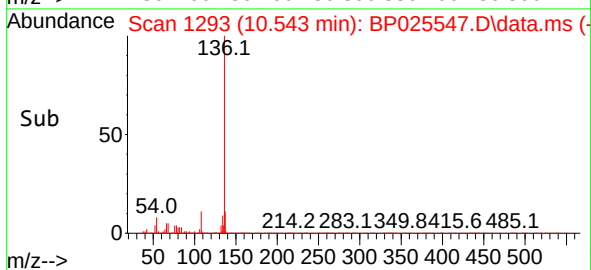
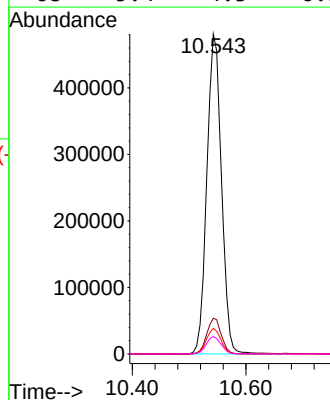
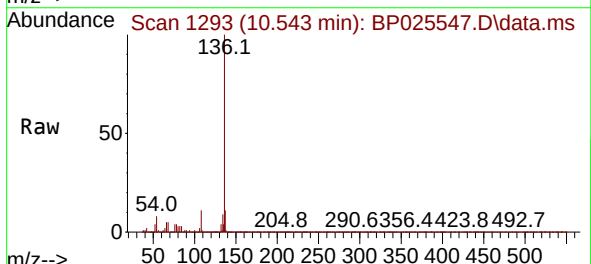
Instrument :
BNA_P
ClientSampleId :
TG-S01

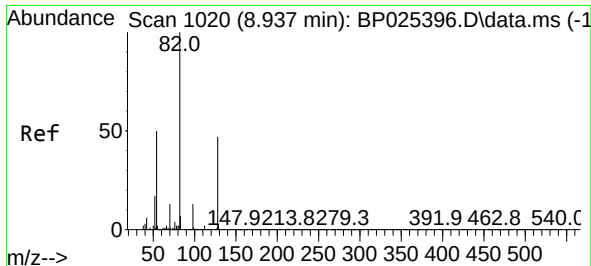
Tgt Ion: 99 Resp: 230001
Ion Ratio Lower Upper
99 100
42 16.9 13.7 20.5
71 33.9 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion: 136 Resp: 856804
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 8.0 6.0 9.0
68 5.4 4.3 6.5

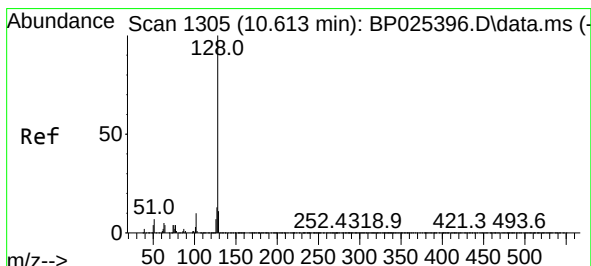
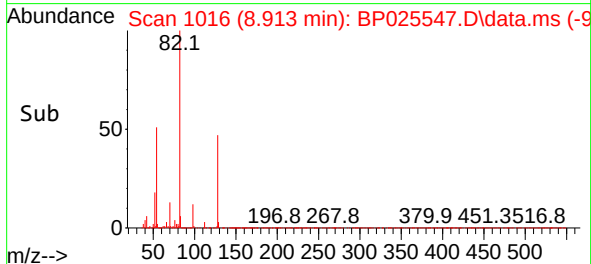
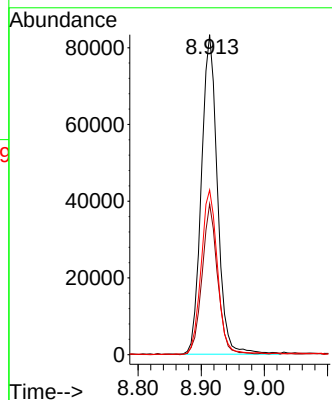
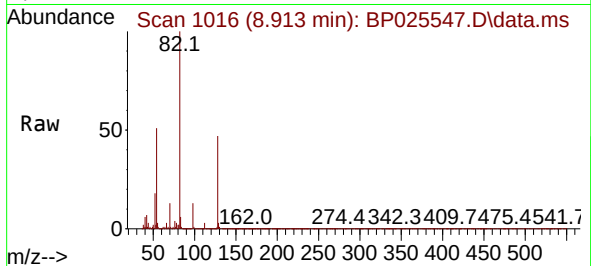




#23
Nitrobenzene-d5
Concen: 8.676 ng
RT: 8.913 min Scan# 1016
Delta R.T. -0.024 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

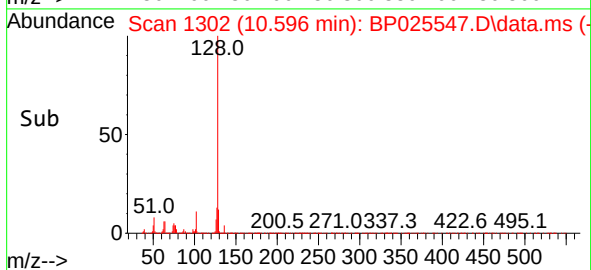
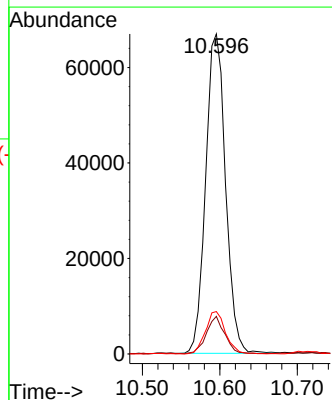
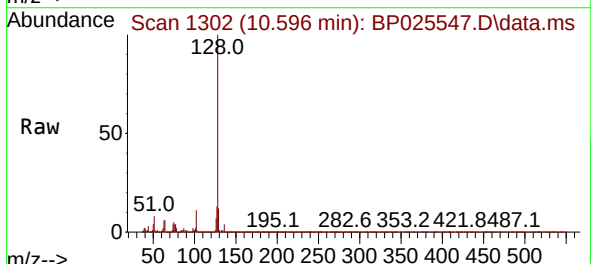
Instrument :
BNA_P
ClientSampleId :
TG-S01

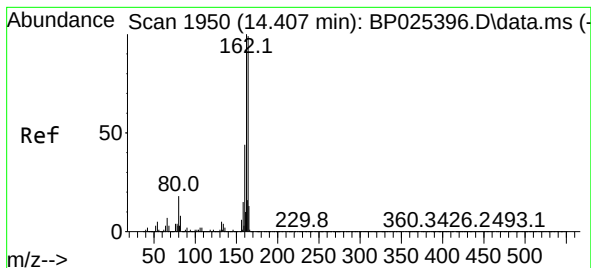
Tgt Ion: 82 Resp: 146959
Ion Ratio Lower Upper
82 100
128 47.1 37.7 56.5
54 51.5 39.8 59.6



#31
Naphthalene
Concen: 2.679 ng
RT: 10.596 min Scan# 1302
Delta R.T. -0.018 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion: 128 Resp: 119323
Ion Ratio Lower Upper
128 100
129 11.8 8.6 13.0
127 13.2 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.384 min Scan# 1946

Delta R.T. -0.024 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Instrument :

BNA_P

ClientSampleId :

TG-S01

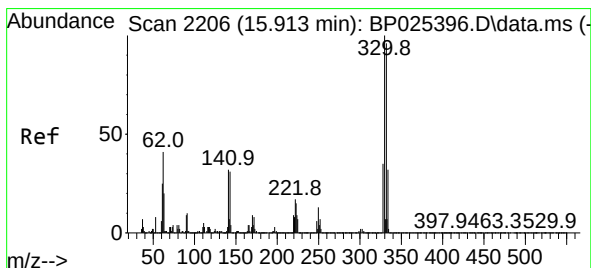
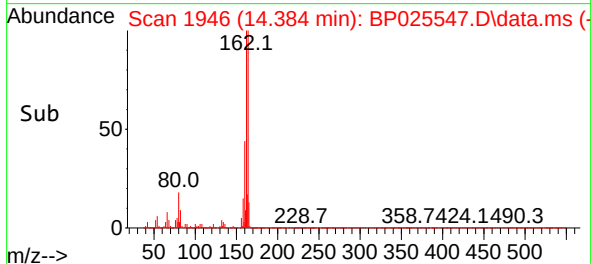
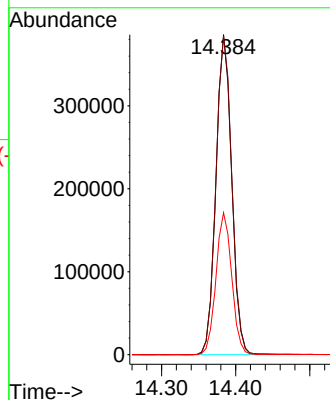
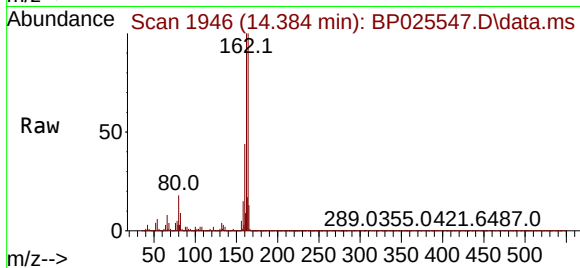
Tgt Ion:164 Resp: 567110

Ion Ratio Lower Upper

164 100

162 99.6 81.0 121.6

160 44.4 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 14.393 ng

RT: 15.901 min Scan# 2204

Delta R.T. -0.012 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

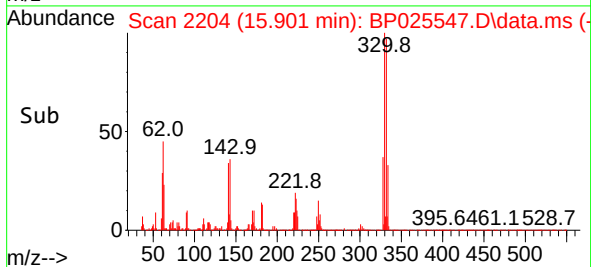
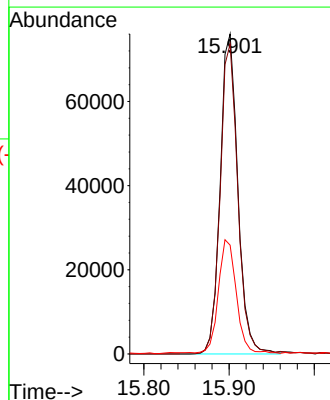
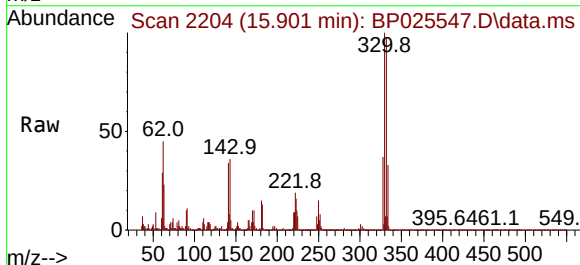
Tgt Ion:330 Resp: 109864

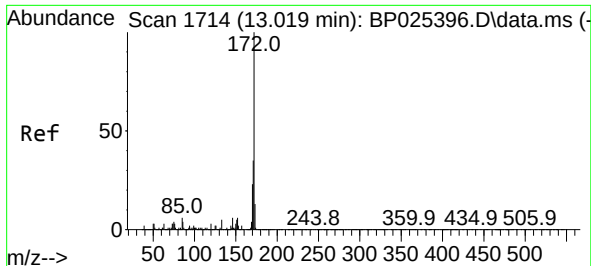
Ion Ratio Lower Upper

330 100

332 97.1 77.3 115.9

141 36.9 26.6 39.8

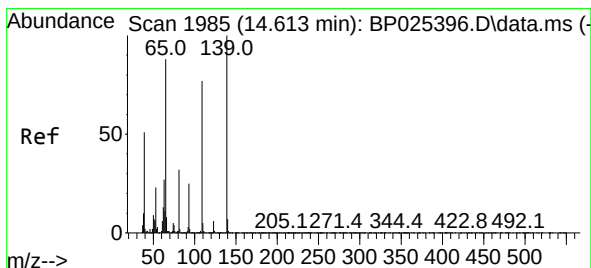
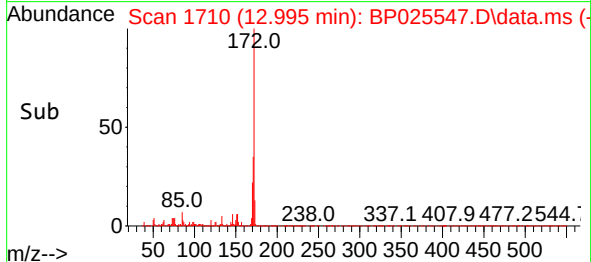
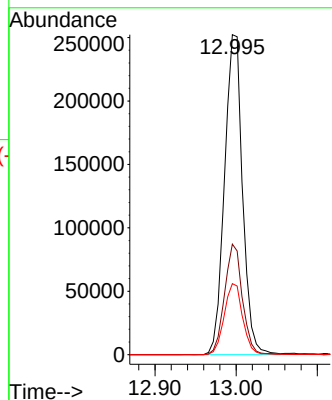
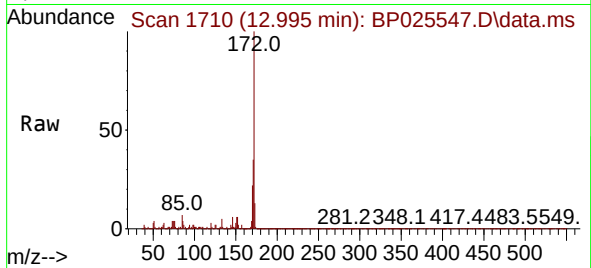




#45
2-Fluorobiphenyl
Concen: 9.401 ng
RT: 12.995 min Scan# 11
Delta R.T. -0.024 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

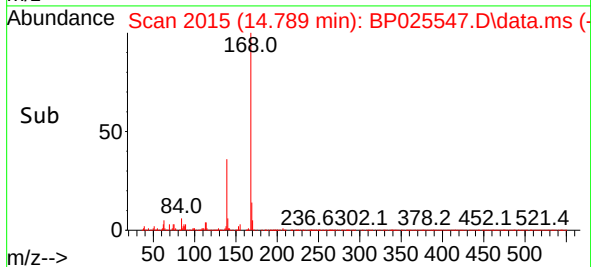
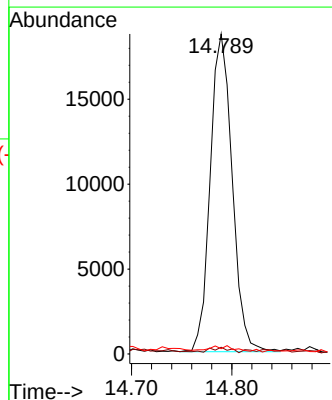
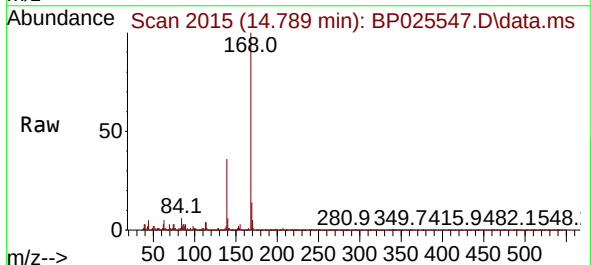
Instrument :
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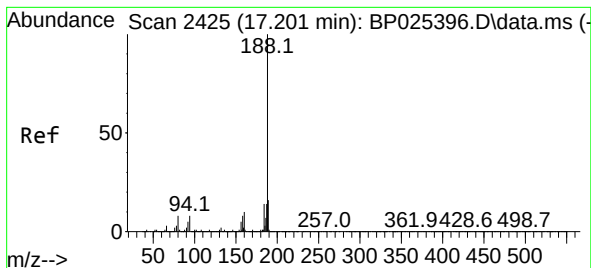
Tgt Ion:172 Resp: 390090
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 22.2 18.6 28.0



#56
4-Nitrophenol
Concen: 3.523 ng
RT: 14.789 min Scan# 2015
Delta R.T. 0.176 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:139 Resp: 28512
Ion Ratio Lower Upper
139 100
109 2.1 56.6 96.6#
65 1.6 68.2 108.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 2423

Delta R.T. -0.012 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Instrument :

BNA_P

ClientSampleId :

TG-S01

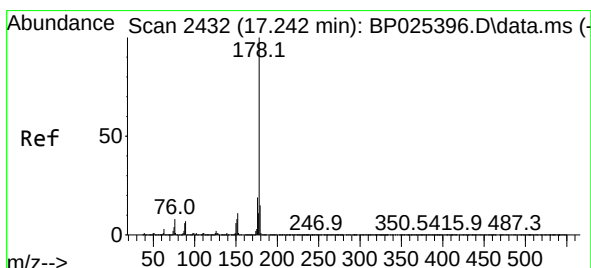
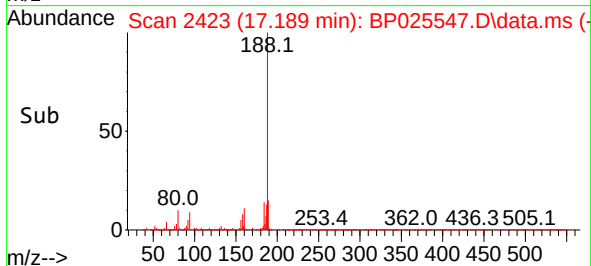
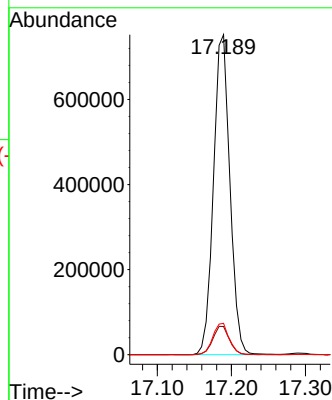
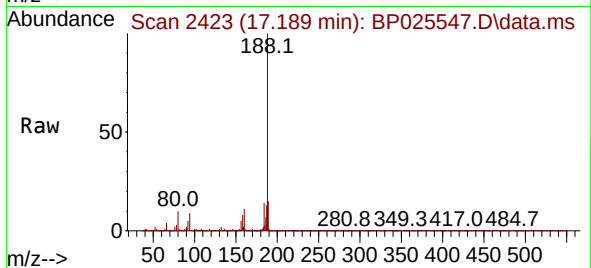
Tgt Ion:188 Resp: 1156512

Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.8 6.7 10.1



#71

Phenanthrene

Concen: 11.906 ng

RT: 17.236 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

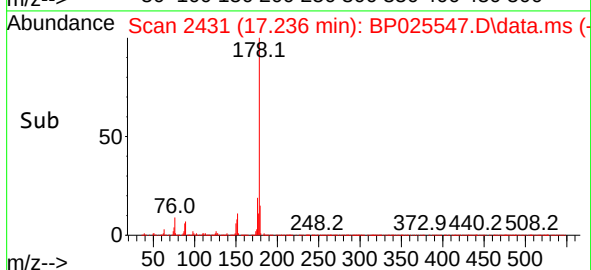
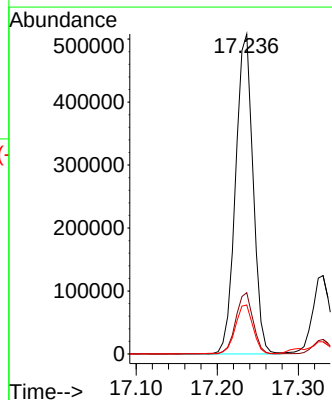
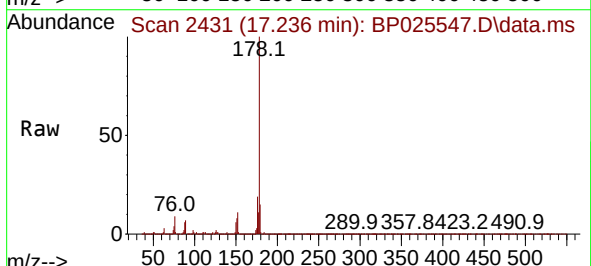
Tgt Ion:178 Resp: 756424

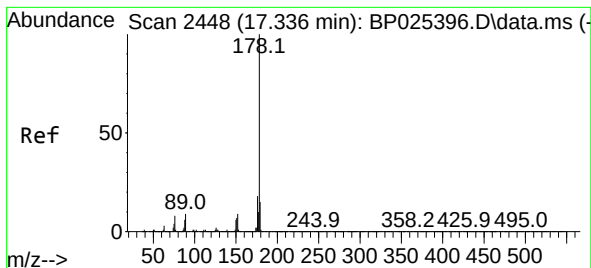
Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.3 12.2 18.4





#72

Anthracene

Concen: 2.830 ng

RT: 17.330 min Scan# 2448

Delta R.T. -0.006 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Instrument :

BNA_P

ClientSampleId :

TG-S01

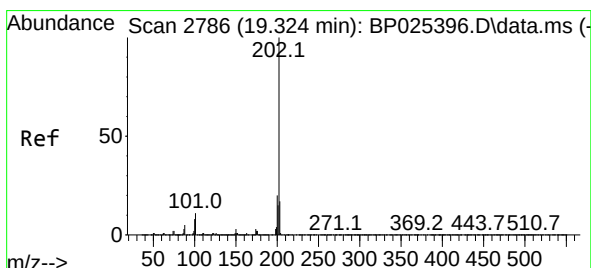
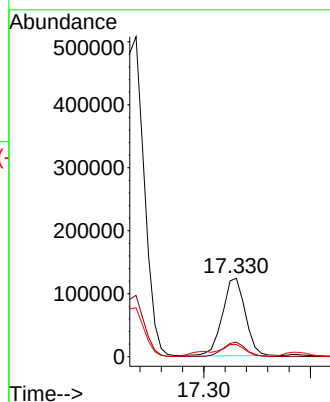
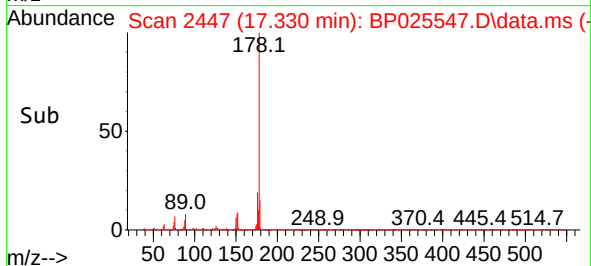
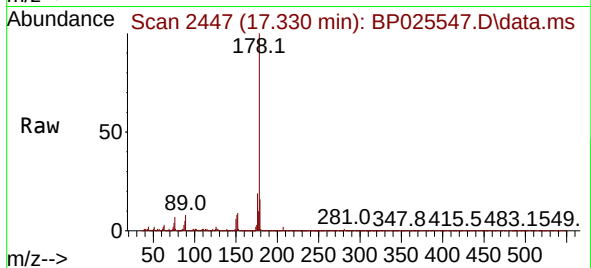
Tgt Ion:178 Resp: 183602

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

179 15.6 12.2 18.2



#75

Fluoranthene

Concen: 13.449 ng

RT: 19.319 min Scan# 2785

Delta R.T. -0.006 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

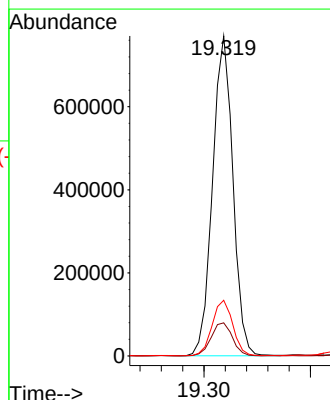
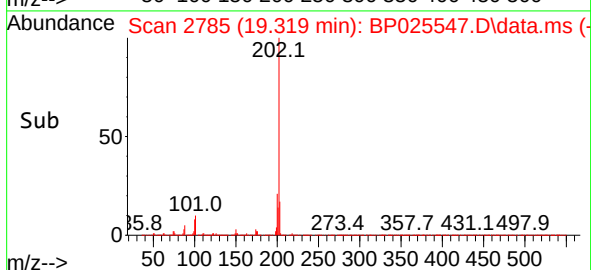
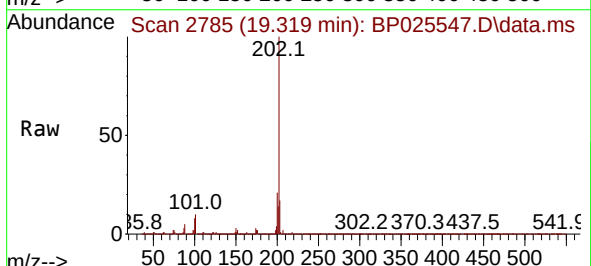
Tgt Ion:202 Resp: 1019212

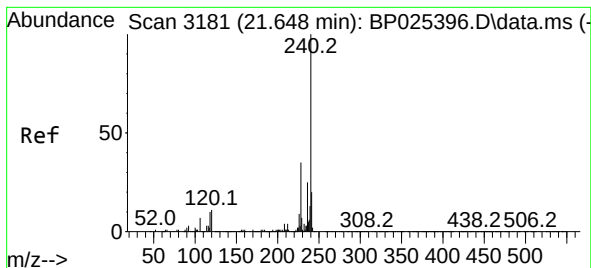
Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.1

203 17.4 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

Instrument :

BNA_P

ClientSampleId :

TG-S01

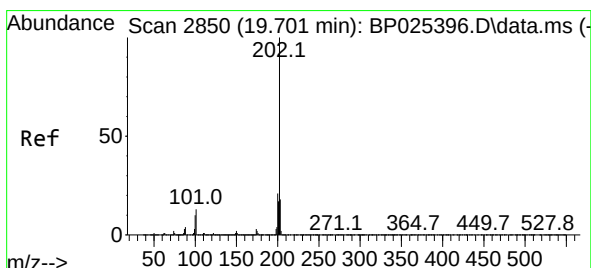
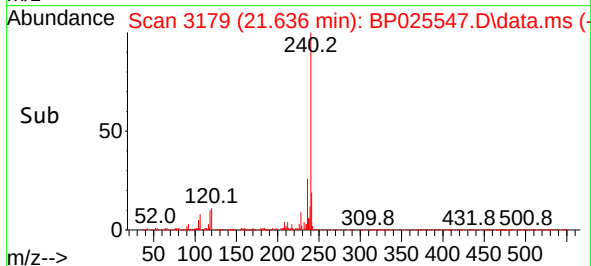
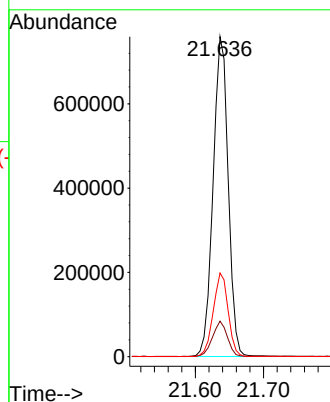
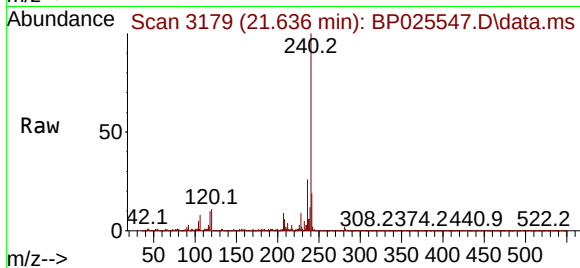
Tgt Ion:240 Resp: 1172172

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 26.2 19.8 29.8



#78

Pyrene

Concen: 11.416 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025547.D

Acq: 22 Aug 2025 13:32

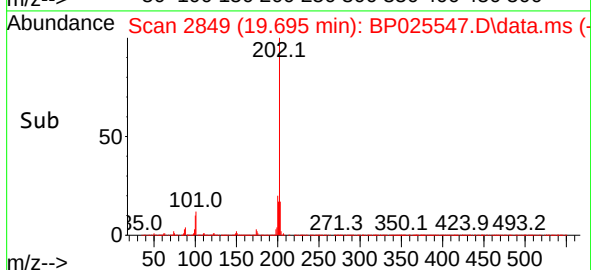
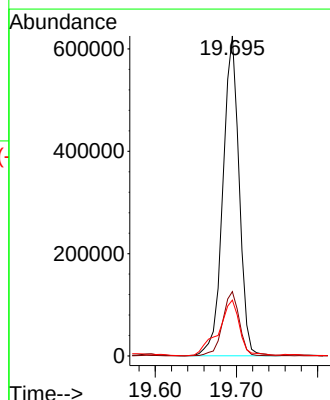
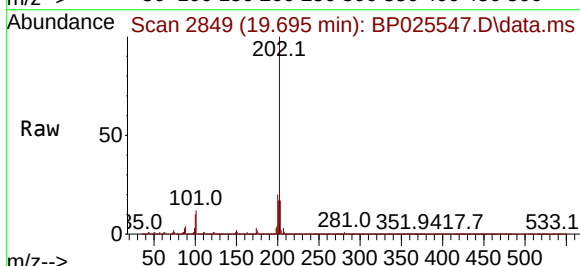
Tgt Ion:202 Resp: 869774

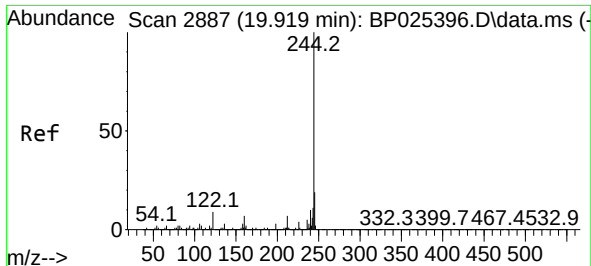
Ion Ratio Lower Upper

202 100

200 20.1 16.9 25.3

203 17.5 14.2 21.2

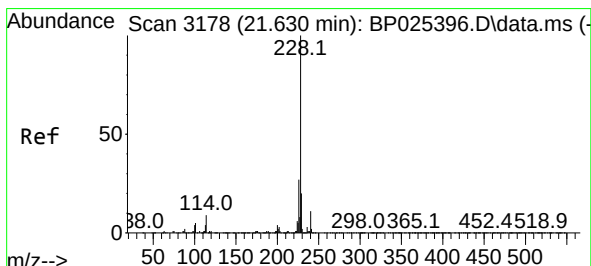
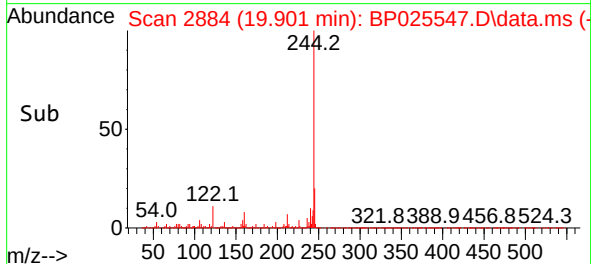
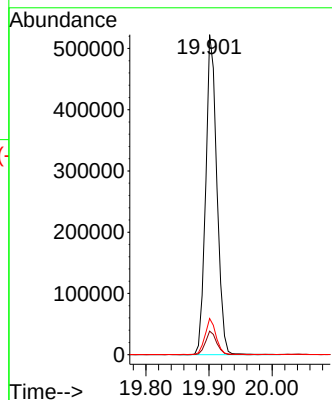
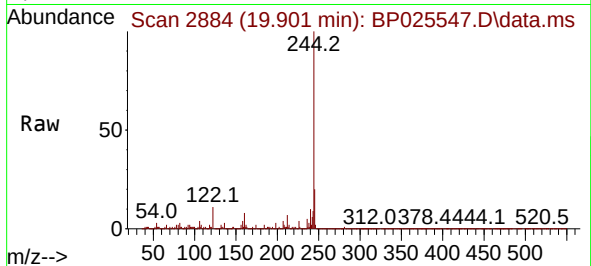




#79
 Terphenyl-d14
 Concen: 10.039 ng
 RT: 19.901 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BP025547.D
 Acq: 22 Aug 2025 13:32

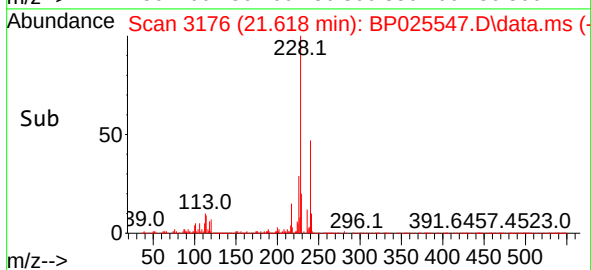
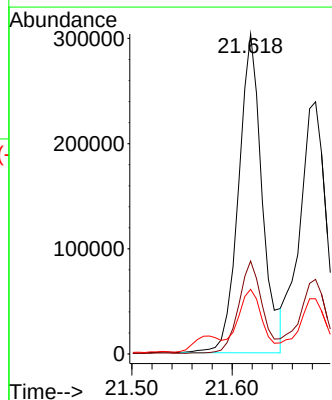
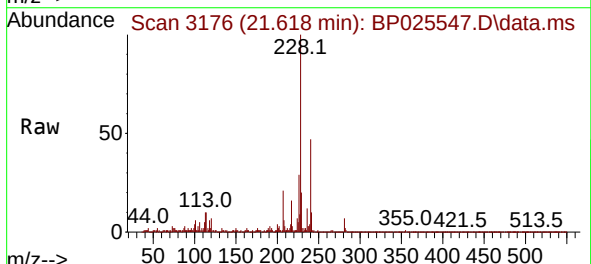
Instrument :
 BNA_P
 ClientSampleId :
 TG-S01

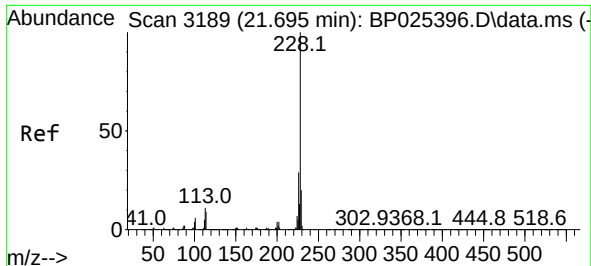
Tgt Ion:244 Resp: 643164
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 11.3 7.4 11.2#



#81
 Benzo(a)anthracene
 Concen: 6.412 ng
 RT: 21.618 min Scan# 3176
 Delta R.T. -0.012 min
 Lab File: BP025547.D
 Acq: 22 Aug 2025 13:32

Tgt Ion:228 Resp: 495667
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.7 32.5
 229 20.2 15.6 23.4

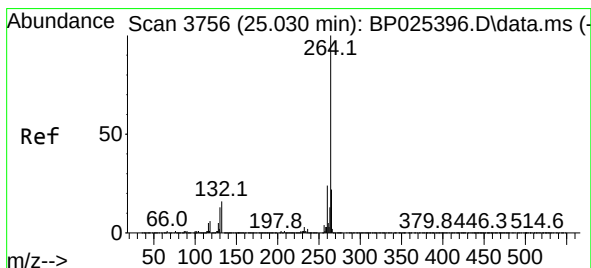
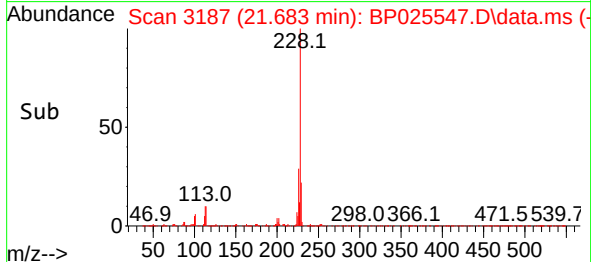
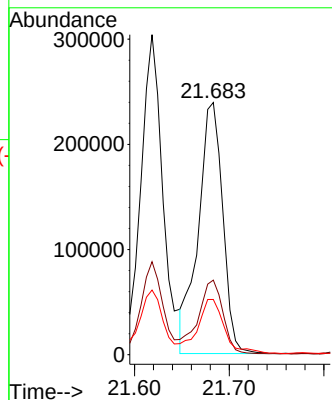
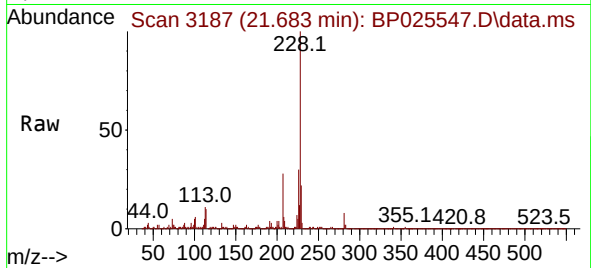




#83
Chrysene
Concen: 5.944 ng
RT: 21.683 min Scan# 3189
Delta R.T. -0.012 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

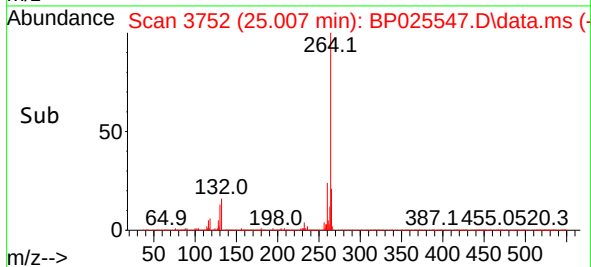
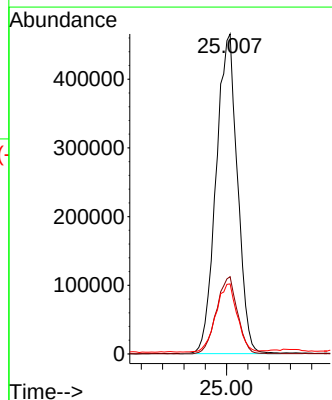
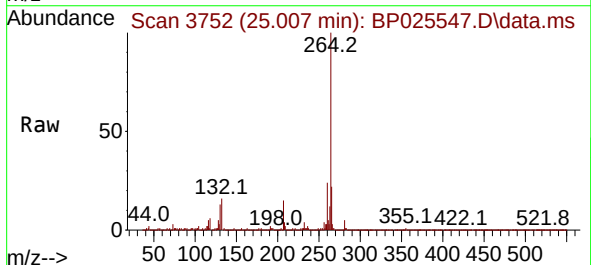
Instrument :
BNA_P
ClientSampleId :
TG-S01

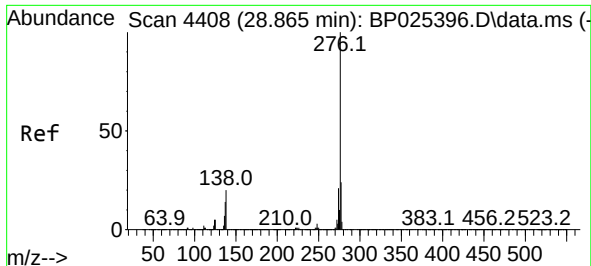
Tgt Ion:228 Resp: 430321
Ion Ratio Lower Upper
228 100
226 29.6 23.2 34.8
229 21.9 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.007 min Scan# 3752
Delta R.T. -0.024 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

Tgt Ion:264 Resp: 1294508
Ion Ratio Lower Upper
264 100
260 24.2 19.3 28.9
265 21.9 17.4 26.0

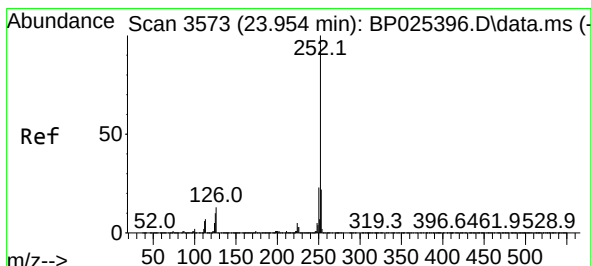
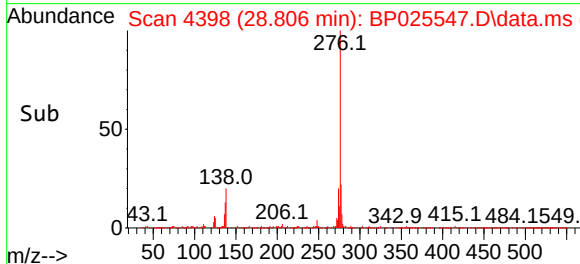
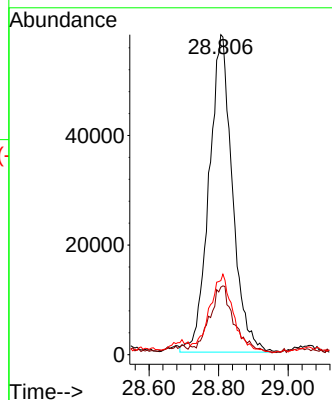
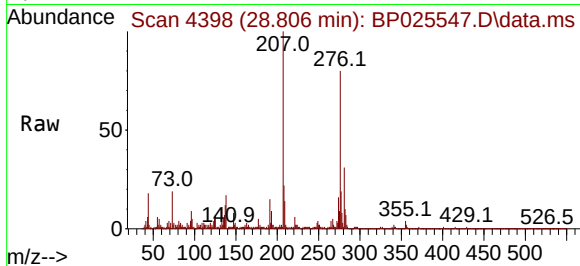




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.843 ng
 RT: 28.806 min Scan# 41
 Delta R.T. -0.059 min
 Lab File: BP025547.D
 Acq: 22 Aug 2025 13:32

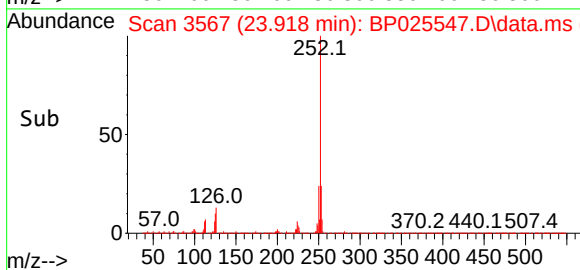
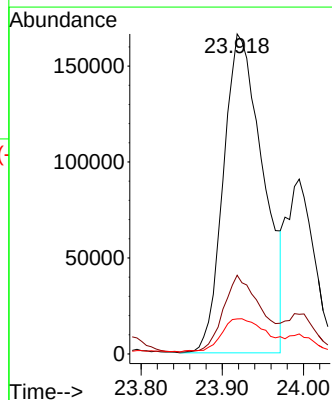
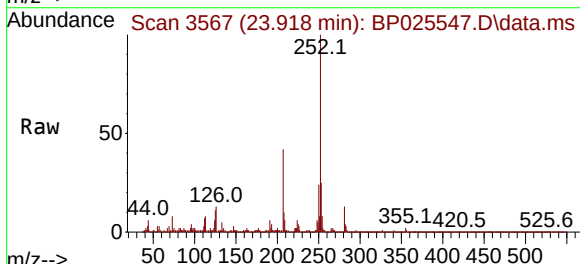
Instrument :
 BNA_P
 ClientSampleId :
 TG-S01

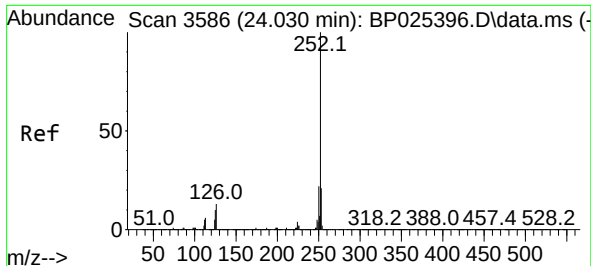
Tgt Ion:276 Resp: 269905
 Ion Ratio Lower Upper
 276 100
 138 22.6 12.9 19.3#
 277 25.1 17.0 25.6



#88
 Benzo(b)fluoranthene
 Concen: 7.407 ng
 RT: 23.918 min Scan# 3567
 Delta R.T. -0.035 min
 Lab File: BP025547.D
 Acq: 22 Aug 2025 13:32

Tgt Ion:252 Resp: 565395
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.7 26.5
 125 11.0 7.9 11.9

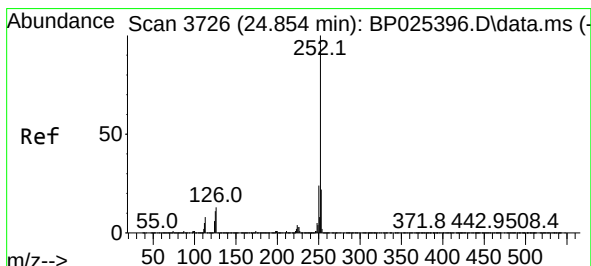
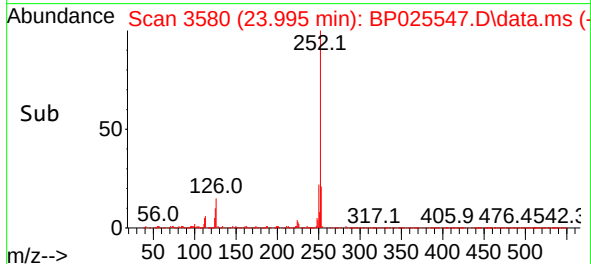
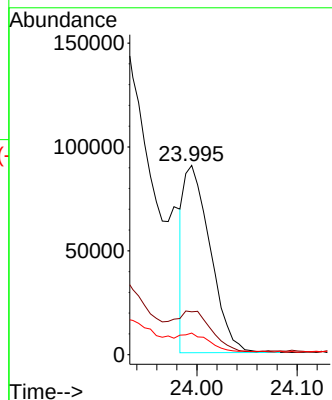
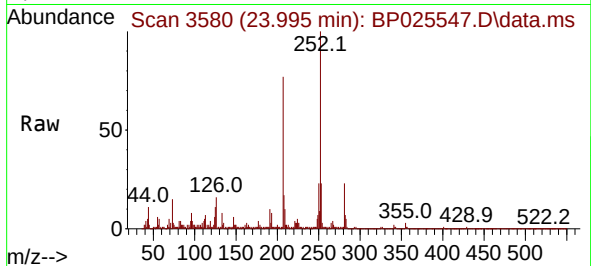




#89
Benzo(k)fluoranthene
Concen: 2.144 ng
RT: 23.995 min Scan# 31
Delta R.T. -0.035 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

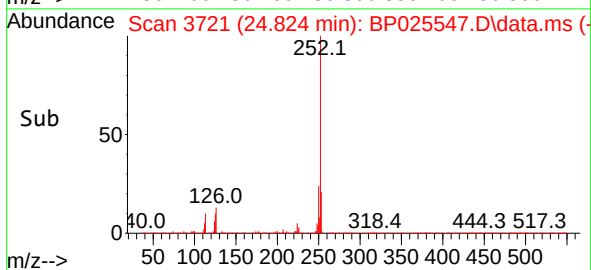
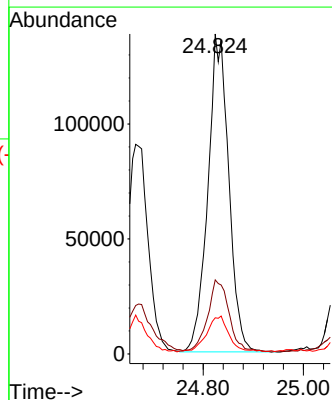
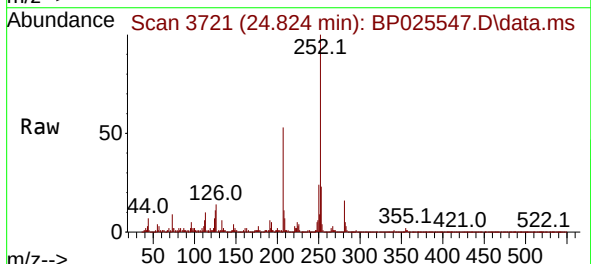
Instrument :
BNA_P
ClientSampleId :
TG-S01

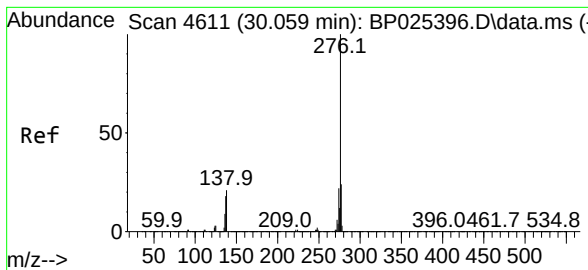
Tgt Ion:252 Resp: 163807
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 11.4 7.8 11.6



#90
Benzo(a)pyrene
Concen: 5.377 ng
RT: 24.824 min Scan# 3721
Delta R.T. -0.029 min
Lab File: BP025547.D
Acq: 22 Aug 2025 13:32

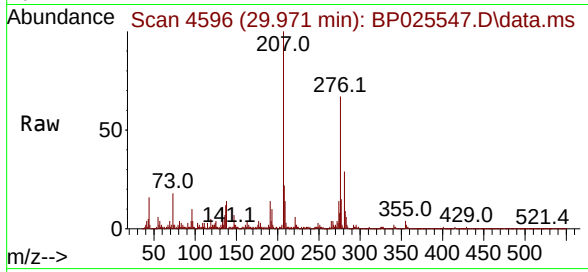
Tgt Ion:252 Resp: 399560
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.3 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 3.165 ng
 RT: 29.971 min Scan# 4
 Delta R.T. -0.088 min
 Lab File: BP025547.D
 Acq: 22 Aug 2025 13:32

Instrument :
 BNA_P
 ClientSampleId :
 TG-S01



Tgt Ion:	276	Resp:	241393
Ion Ratio	Lower	Upper	
276	100		
277	22.8	19.4	29.0
138	21.1	16.7	25.1

