

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
 Data File : BP025463.D
 Acq On : 18 Aug 2025 16:13
 Operator : CG/JU
 Sample : Q2883-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 18 17:30:05 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)

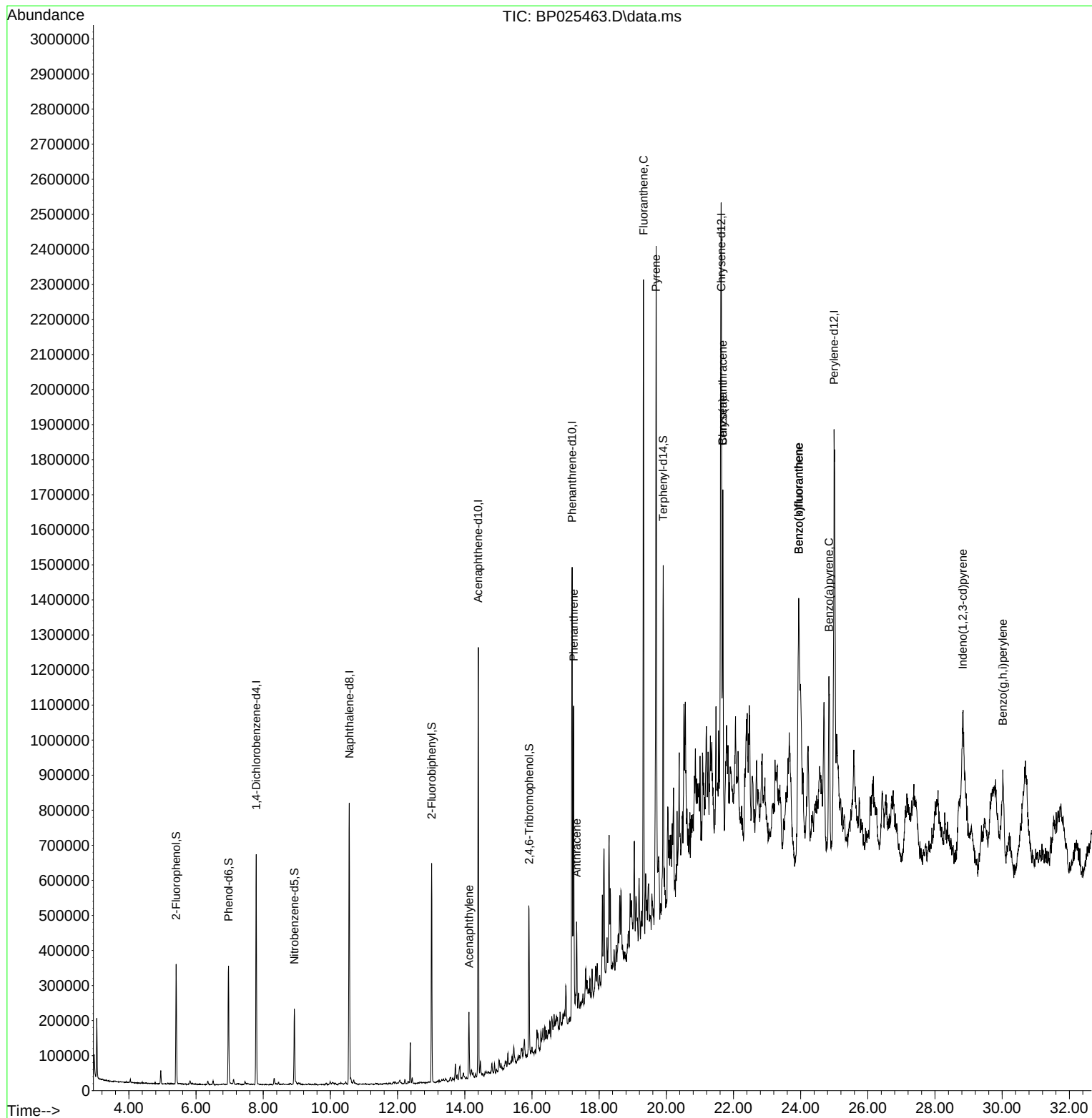
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	171559	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	682396	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	430412	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	851042	20.000	ng	0.00
76) Chrysene-d12	21.636	240	858717	20.000	ng	-0.01
86) Perylene-d12	24.995	264	1024696	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	154726	14.978	ng	0.00
7) Phenol-d6	6.967	99	199236	15.043	ng	0.00
23) Nitrobenzene-d5	8.925	82	123498	9.155	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	84432	14.574	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	306982	9.748	ng	0.00
79) Terphenyl-d14	19.907	244	470843	10.032	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	14.125	152	151884	3.772	ng	99
71) Phenanthrene	17.242	178	576620	12.334	ng	100
72) Anthracene	17.331	178	173355	3.631	ng	98
75) Fluoranthene	19.319	202	1173219	21.039	ng	99
78) Pyrene	19.695	202	1210570	21.689	ng	99
81) Benzo(a)anthracene	21.683	228	657911	11.617	ng	96
83) Chrysene	21.683	228	657911	12.405	ng	98
87) Indeno(1,2,3-cd)pyrene	28.830	276	432704	5.758	ng	# 89
88) Benzo(b)fluoranthene	23.942	252	813402	13.462	ng	# 96
89) Benzo(k)fluoranthene	23.942	252	813402	13.453	ng	# 95
90) Benzo(a)pyrene	24.842	252	574548	9.768	ng	97
92) Benzo(g,h,i)perylene	30.018	276	421005	6.974	ng	99

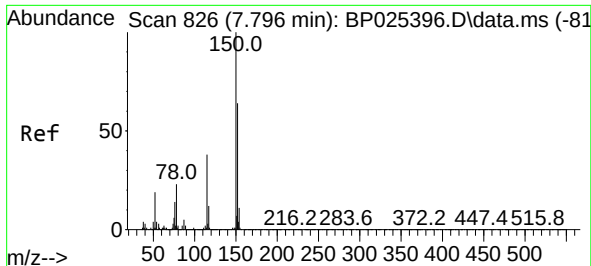
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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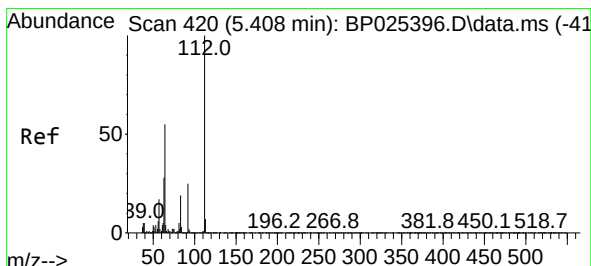
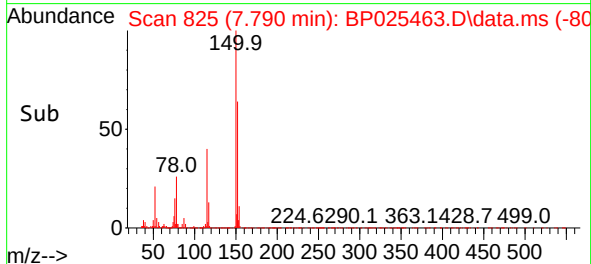
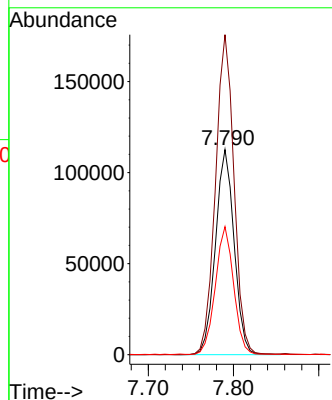
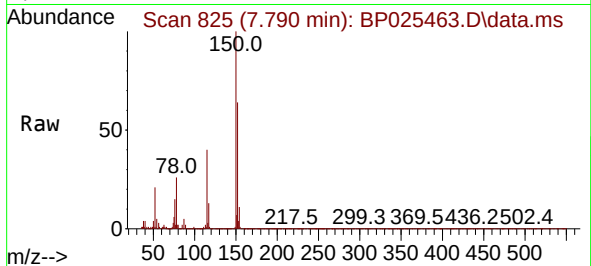




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

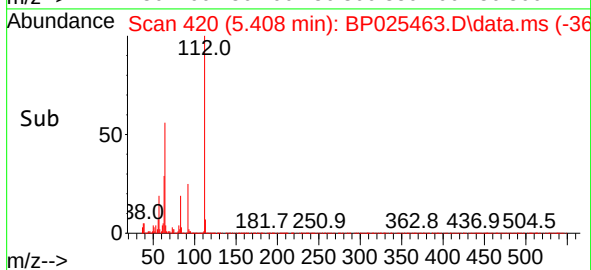
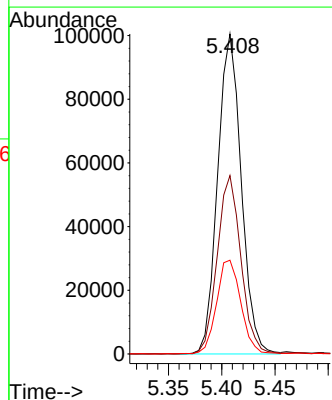
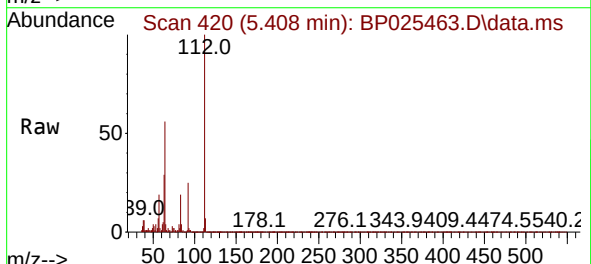
Instrument :
BNA_P
ClientSampleId :

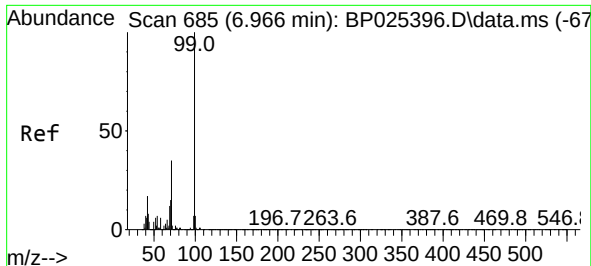
Tgt Ion:152 Resp: 171559
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 62.4 48.5 72.7



#5
2-Fluorophenol
Concen: 14.978 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

Tgt Ion:112 Resp: 154726
Ion Ratio Lower Upper
112 100
64 55.7 43.8 65.8
63 29.3 22.7 34.1

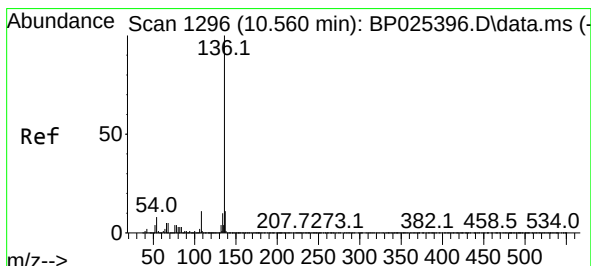
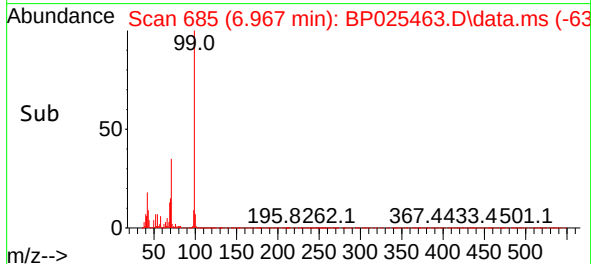
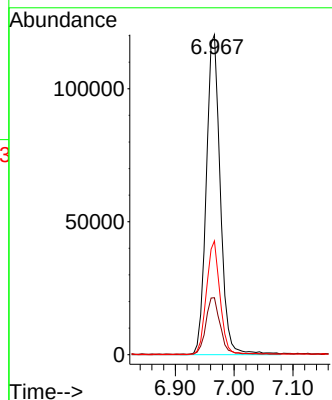
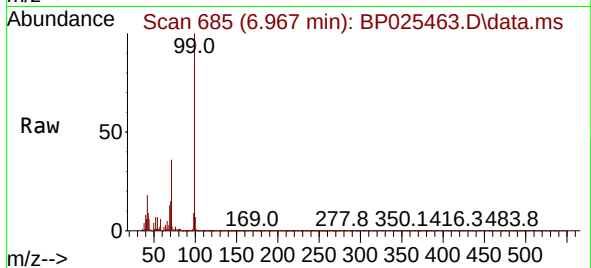




#7
Phenol-d6
Concen: 15.043 ng
RT: 6.967 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

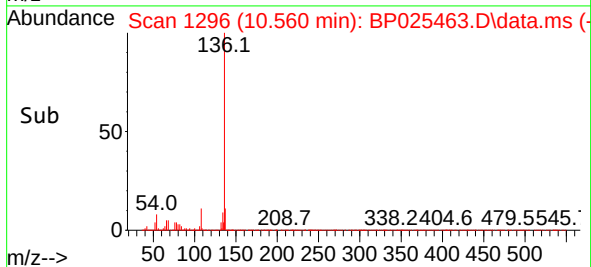
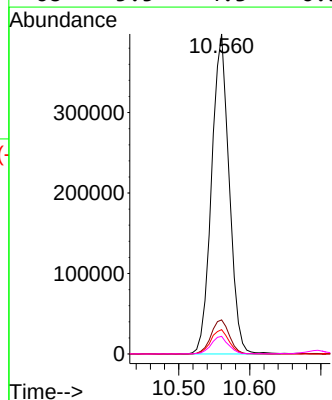
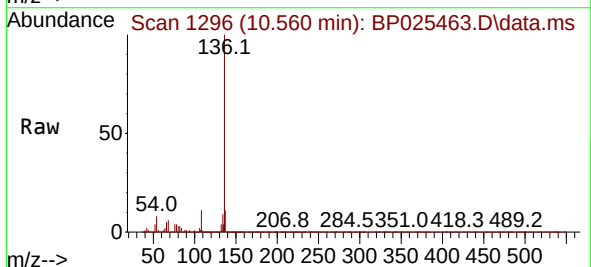
Instrument :
BNA_P
ClientSampleId :

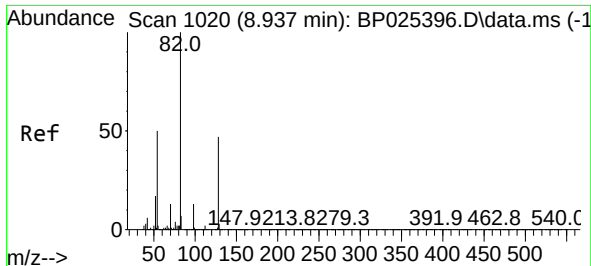
Tgt Ion: 99 Resp: 199236
Ion Ratio Lower Upper
99 100
42 17.8 13.7 20.5
71 35.6 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

Tgt Ion: 136 Resp: 682396
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 7.6 6.0 9.0
68 5.5 4.3 6.5

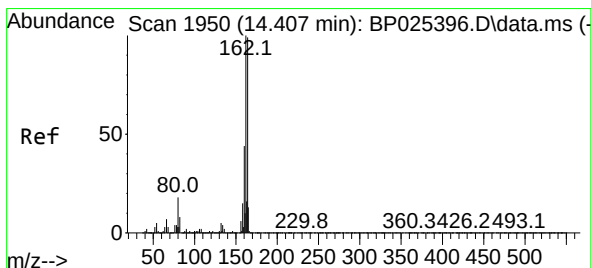
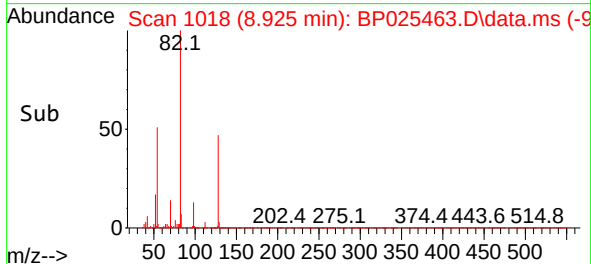
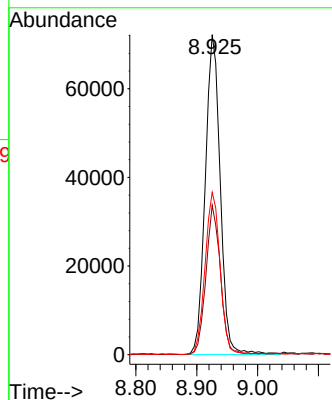
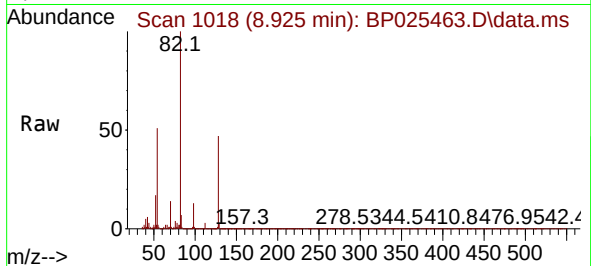




#23
Nitrobenzene-d5
Concen: 9.155 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

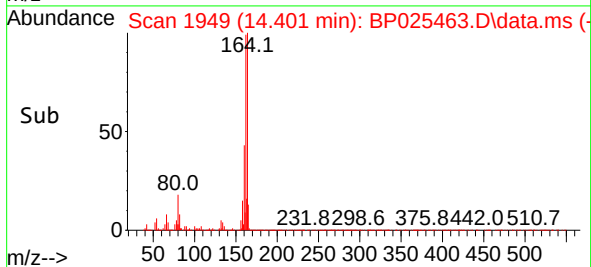
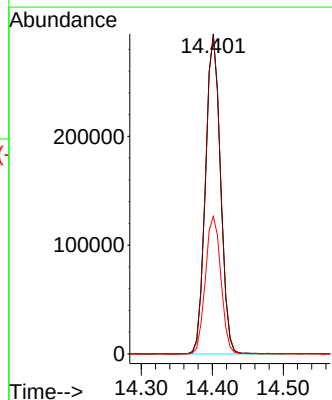
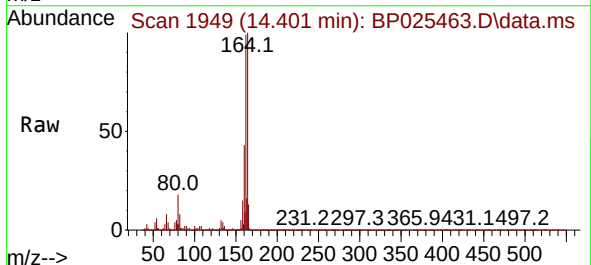
Instrument :
BNA_P
ClientSampleId :

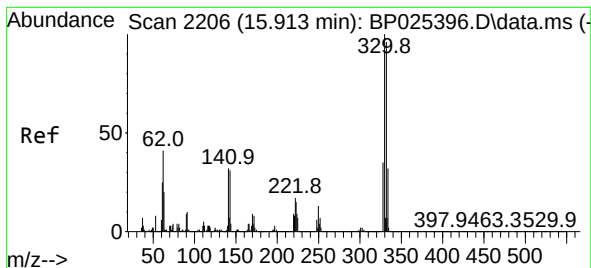
Tgt Ion: 82 Resp: 123498
Ion Ratio Lower Upper
82 100
128 46.6 37.7 56.5
54 50.7 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

Tgt Ion:164 Resp: 430412
Ion Ratio Lower Upper
164 100
162 99.2 81.0 121.6
160 43.0 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 14.574 ng

RT: 15.913 min Scan# 21

Delta R.T. 0.000 min

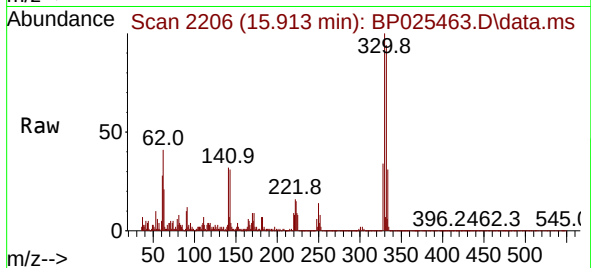
Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :



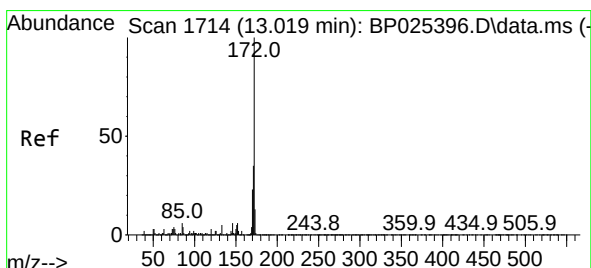
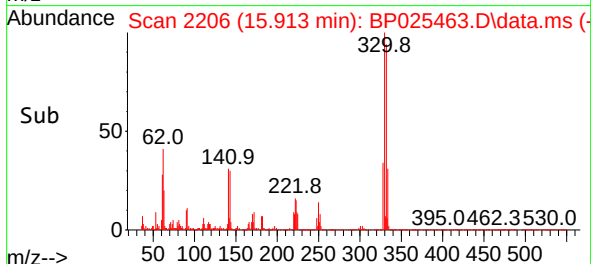
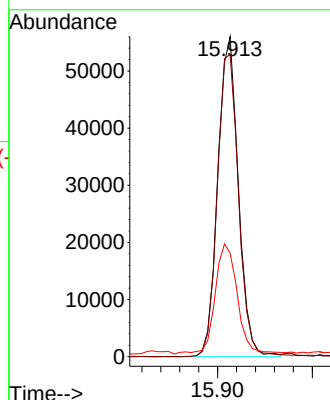
Tgt Ion:330 Resp: 84432

Ion Ratio Lower Upper

330 100

332 98.2 77.3 115.9

141 37.2 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 9.748 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

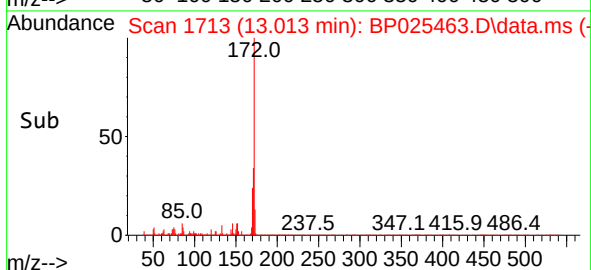
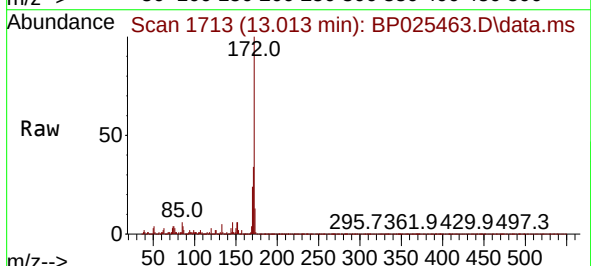
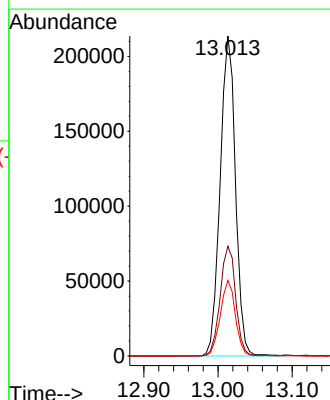
Tgt Ion:172 Resp: 306982

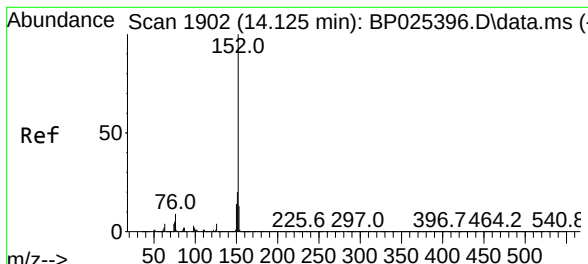
Ion Ratio Lower Upper

172 100

171 34.3 28.1 42.1

170 23.6 18.6 28.0

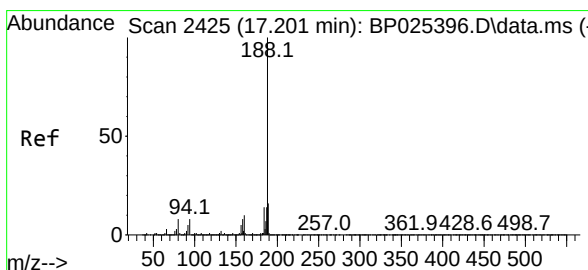
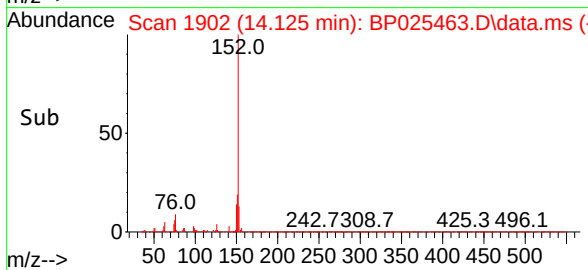
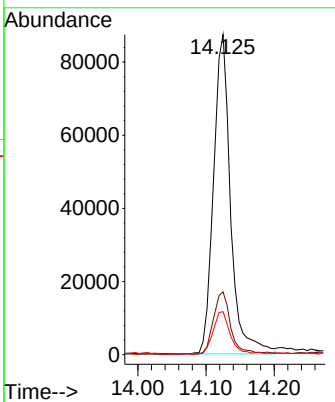
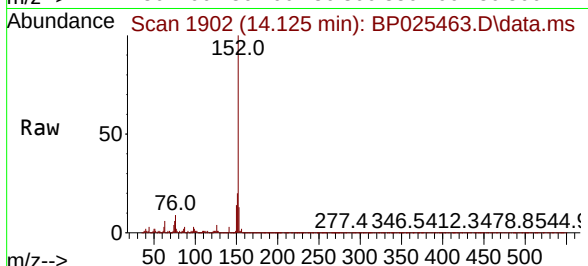




#49
 Acenaphthylene
 Concen: 3.772 ng
 RT: 14.125 min Scan# 1902
 Delta R.T. 0.000 min
 Lab File: BP025463.D
 Acq: 18 Aug 2025 16:13

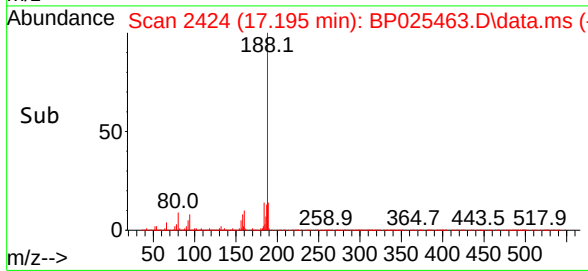
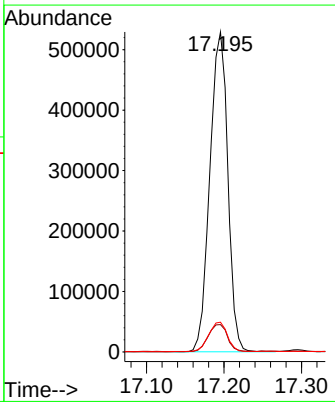
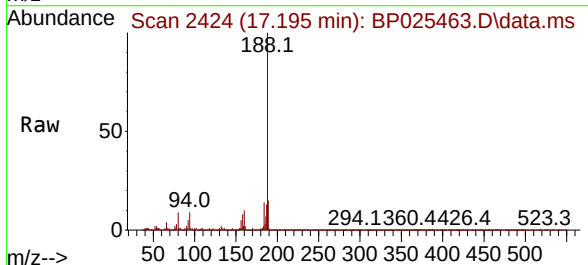
Instrument :
 BNA_P
 ClientSampleId :

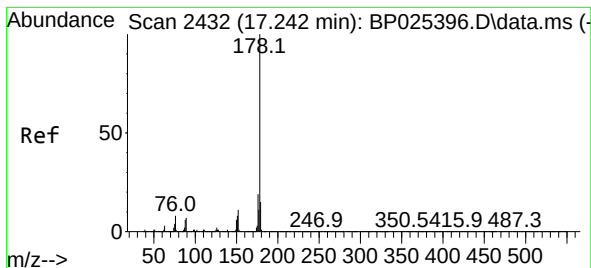
Tgt Ion:	152	Resp:	151884
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.0	24.0
153	13.4	10.6	15.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.195 min Scan# 2424
 Delta R.T. -0.006 min
 Lab File: BP025463.D
 Acq: 18 Aug 2025 16:13

Tgt Ion:	188	Resp:	851042
Ion Ratio	Lower	Upper	
188	100		
94	8.6	6.6	10.0
80	9.3	6.7	10.1





#71

Phenanthrene

Concen: 12.334 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

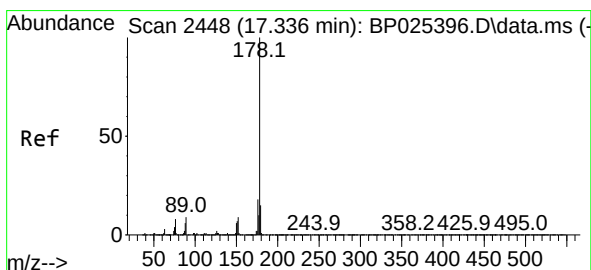
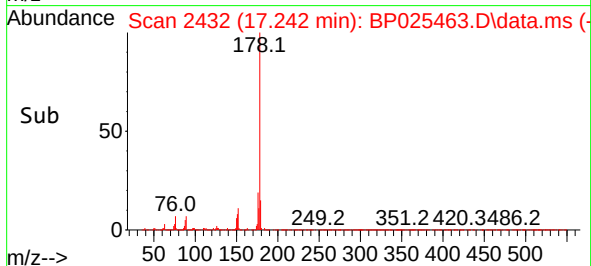
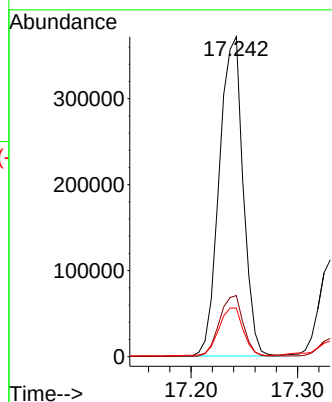
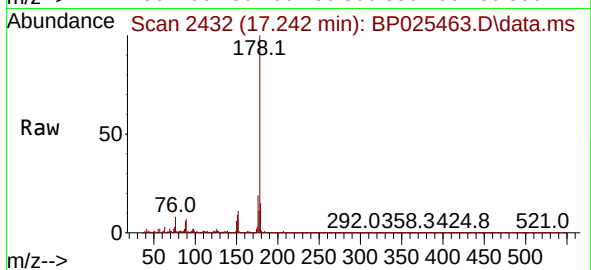
Tgt Ion:178 Resp: 576620

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.2 12.2 18.4



#72

Anthracene

Concen: 3.631 ng

RT: 17.331 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

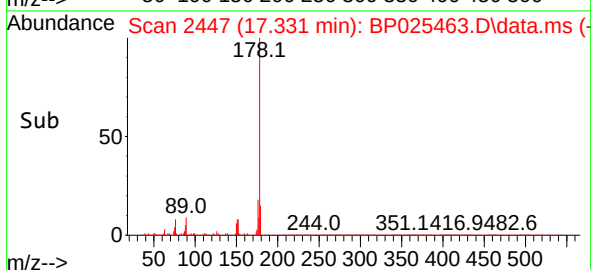
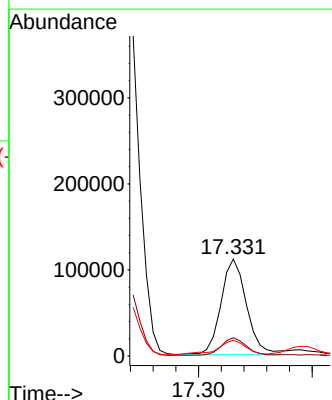
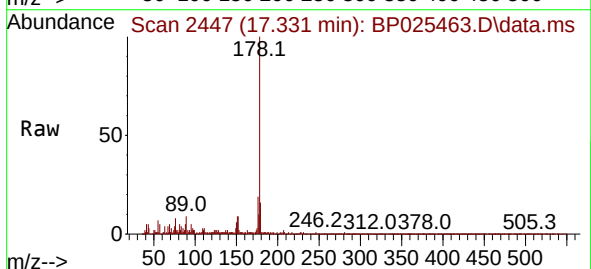
Tgt Ion:178 Resp: 173355

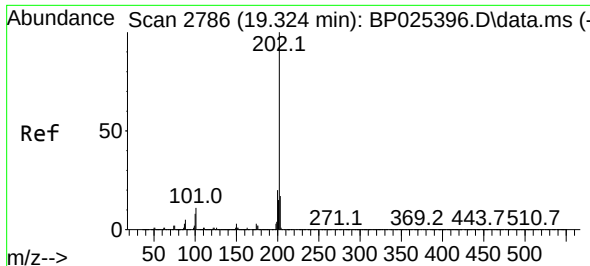
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 16.2 12.2 18.2

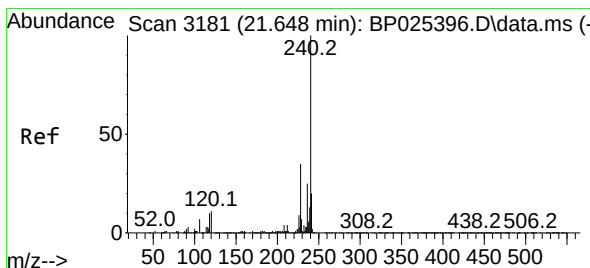
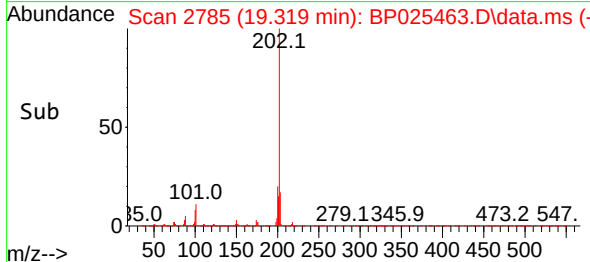
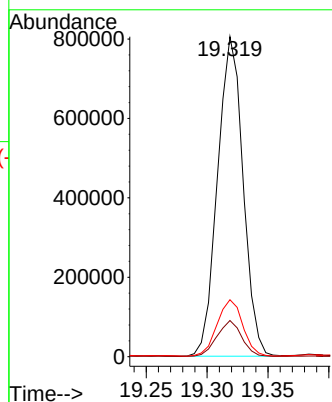
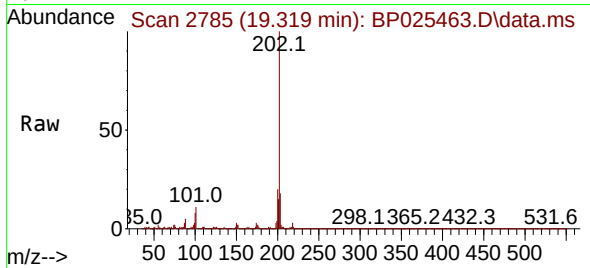




#75
Fluoranthene
Concen: 21.039 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

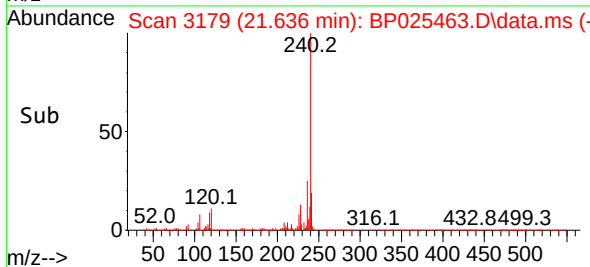
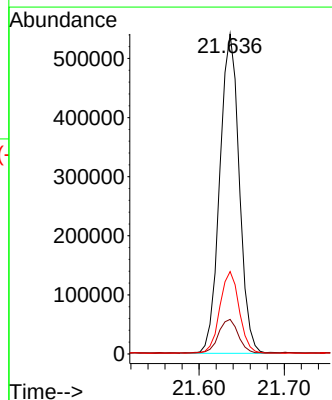
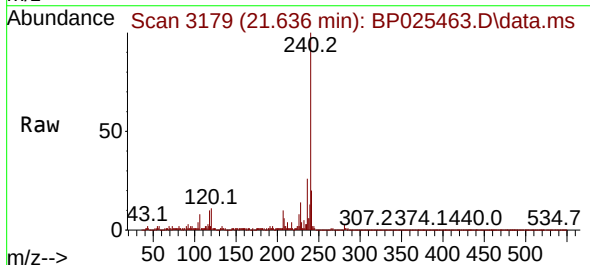
Instrument :
BNA_P
ClientSampleId :

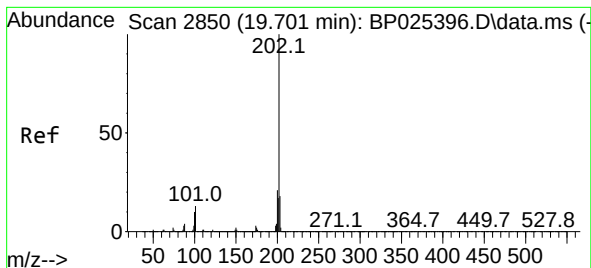
Tgt Ion:202 Resp: 1173219
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.1
203 17.8 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

Tgt Ion:240 Resp: 858717
Ion Ratio Lower Upper
240 100
120 10.8 8.9 13.3
236 25.8 19.8 29.8





#78

Pyrene

Concen: 21.689 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

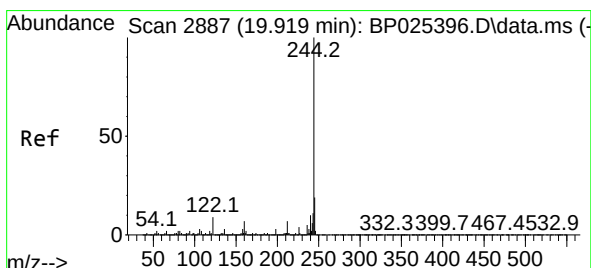
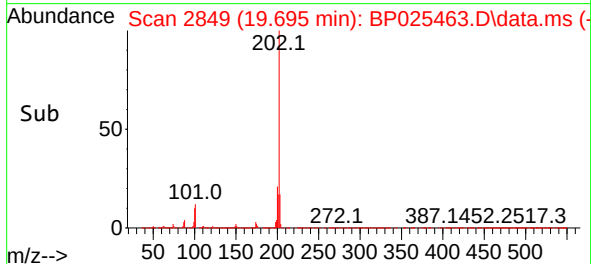
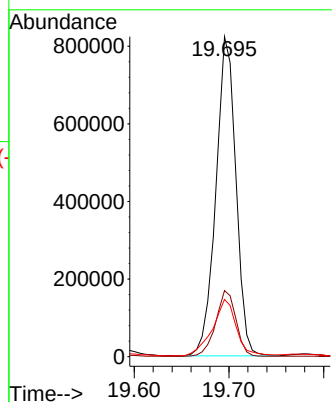
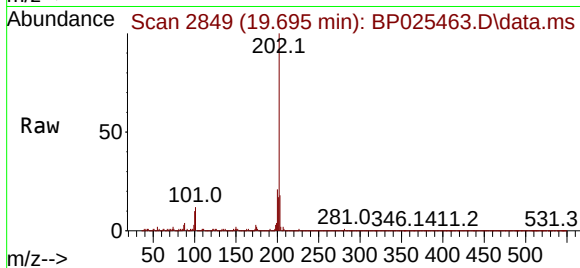
Instrument :

BNA_P

ClientSampleId :

Tgt Ion:202 Resp: 1210570

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	17.9	14.2	21.2



#79

Terphenyl-d14

Concen: 10.032 ng

RT: 19.907 min Scan# 2885

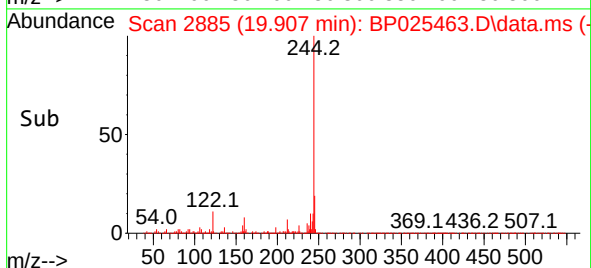
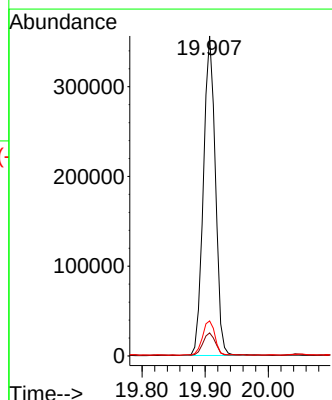
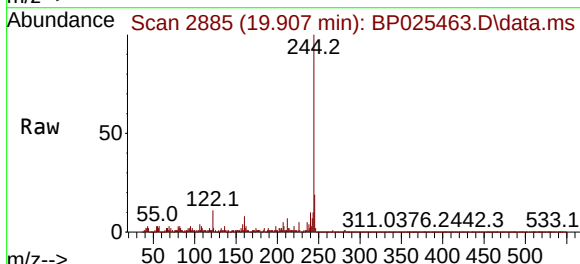
Delta R.T. -0.012 min

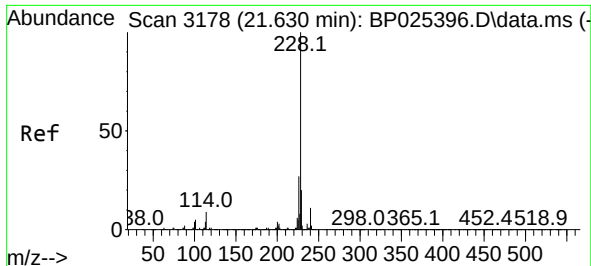
Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Tgt Ion:244 Resp: 470843

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	11.0	7.4	11.2

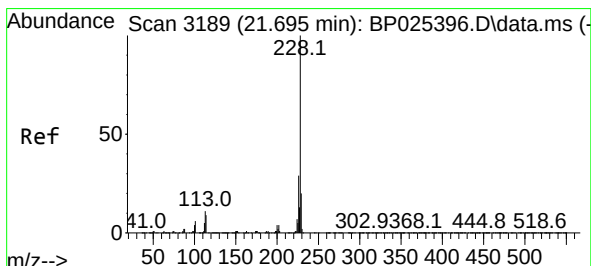
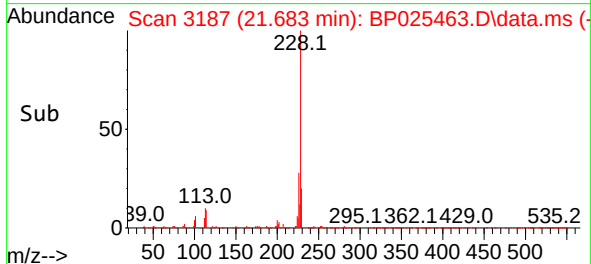
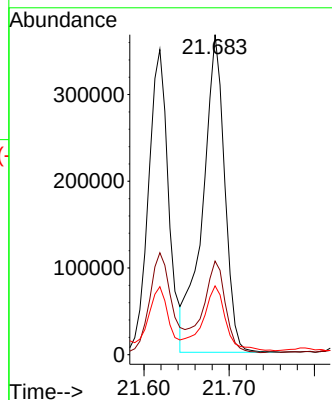
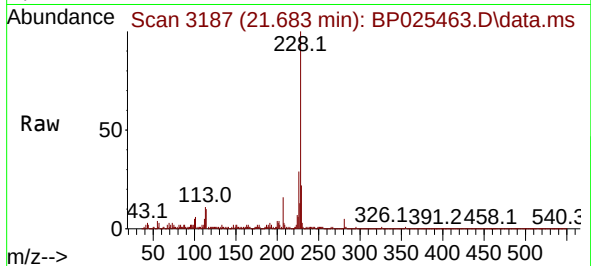




#81
Benzo(a)anthracene
Concen: 11.617 ng
RT: 21.683 min Scan# 3178
Delta R.T. 0.053 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

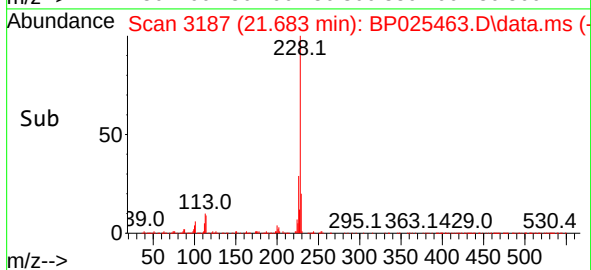
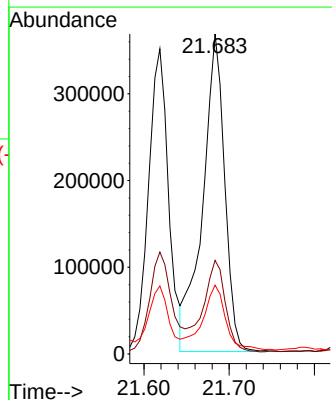
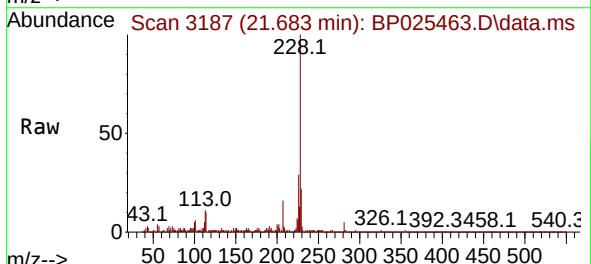
Instrument :
BNA_P
ClientSampleId :

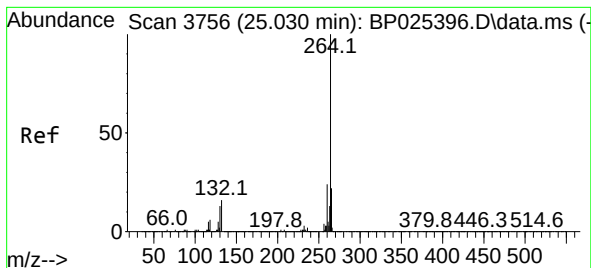
Tgt Ion:228 Resp: 657911
Ion Ratio Lower Upper
228 100
226 29.2 21.7 32.5
229 21.5 15.6 23.4



#83
Chrysene
Concen: 12.405 ng
RT: 21.683 min Scan# 3187
Delta R.T. -0.012 min
Lab File: BP025463.D
Acq: 18 Aug 2025 16:13

Tgt Ion:228 Resp: 657911
Ion Ratio Lower Upper
228 100
226 29.2 23.2 34.8
229 21.5 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.995 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

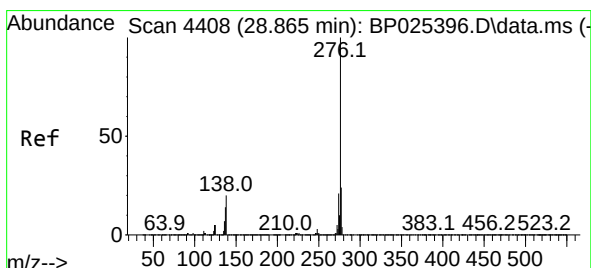
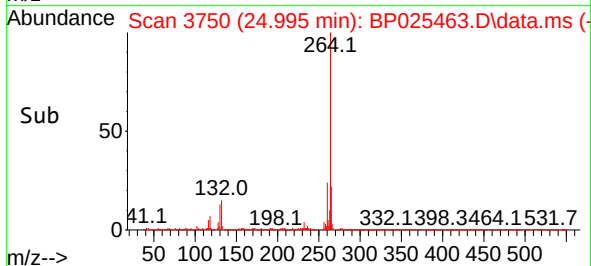
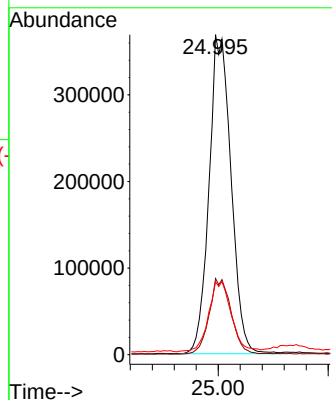
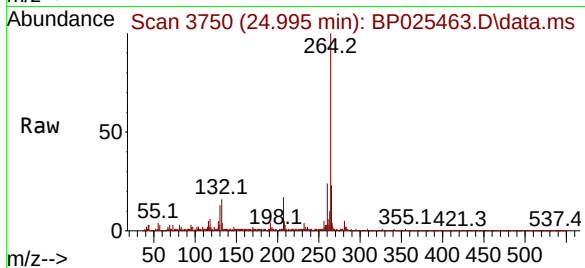
Tgt Ion:264 Resp: 1024696

Ion Ratio Lower Upper

264 100

260 23.8 19.3 28.9

265 22.7 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.758 ng

RT: 28.830 min Scan# 4402

Delta R.T. -0.035 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

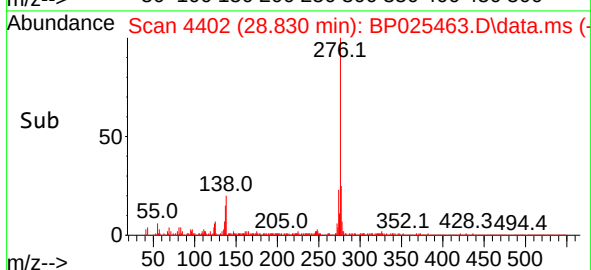
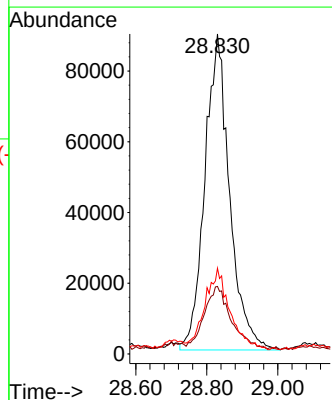
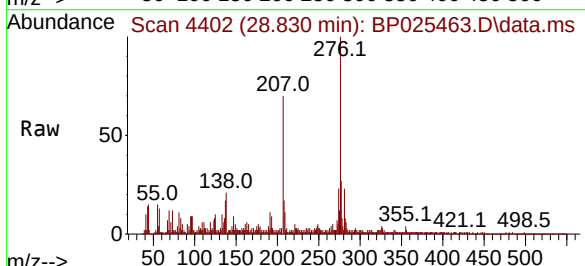
Tgt Ion:276 Resp: 432704

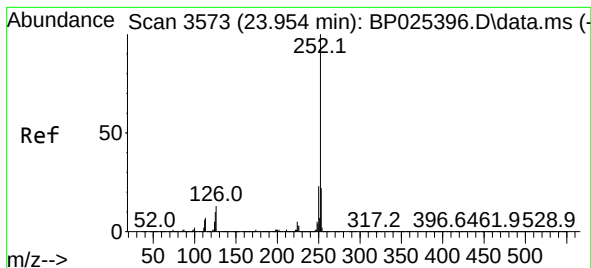
Ion Ratio Lower Upper

276 100

138 21.5 12.9 19.3#

277 26.1 17.0 25.6#





#88

Benzo(b)fluoranthene

Concen: 13.462 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

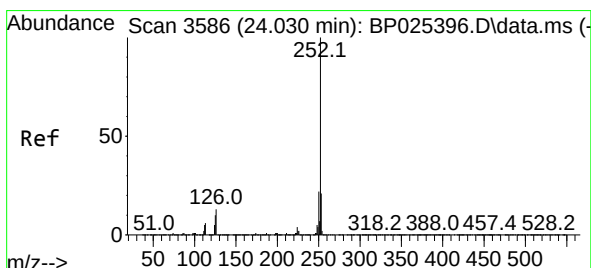
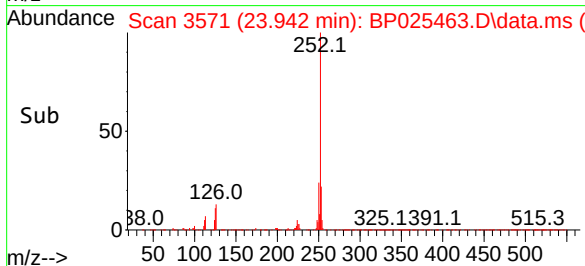
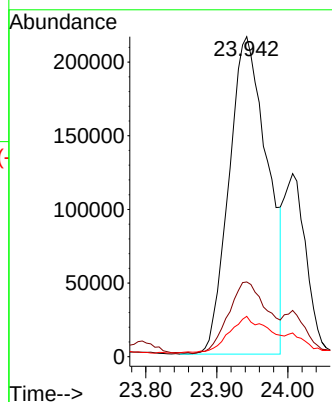
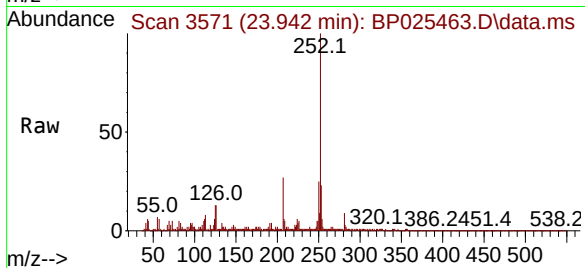
Tgt Ion:252 Resp: 813402

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 12.6 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 13.453 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.088 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

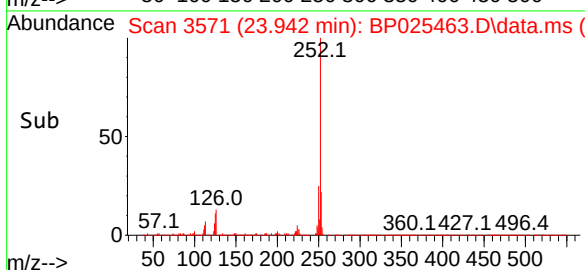
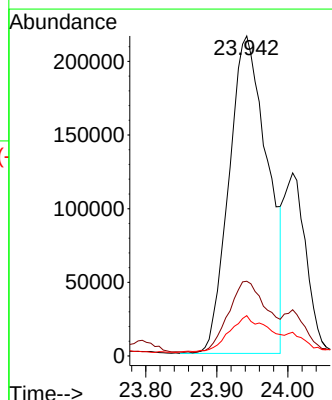
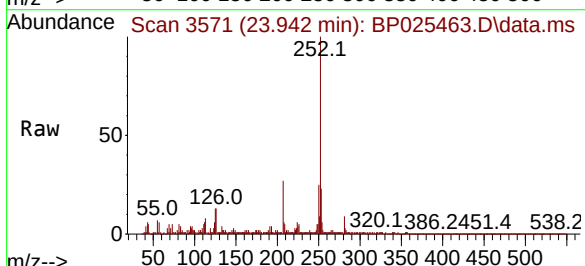
Tgt Ion:252 Resp: 813402

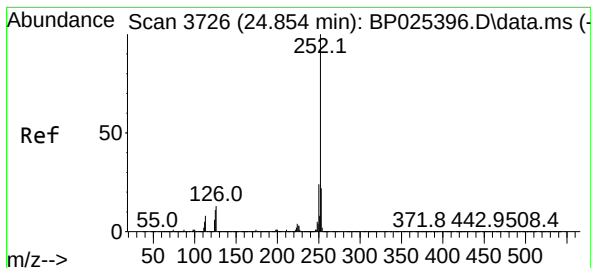
Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 12.6 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 9.768 ng

RT: 24.842 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Instrument :

BNA_P

ClientSampleId :

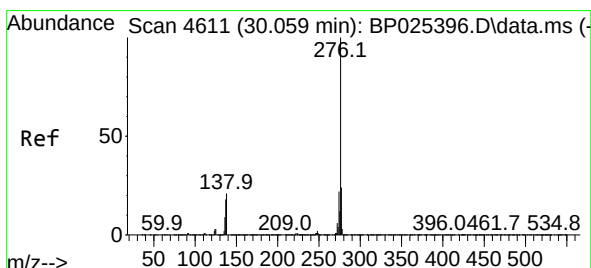
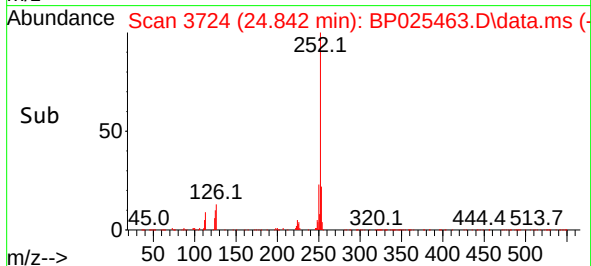
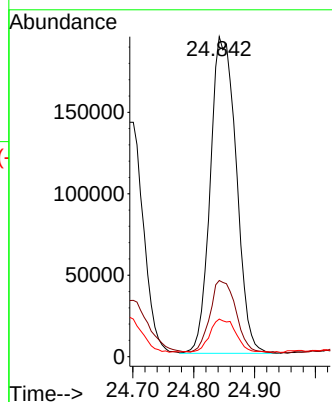
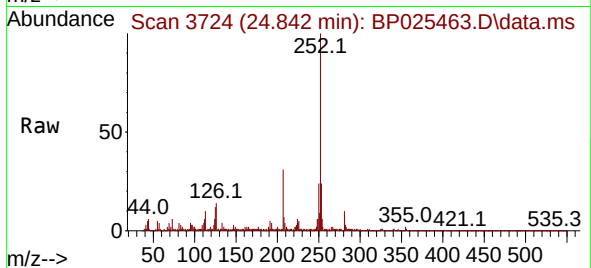
Tgt Ion:252 Resp: 574548

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 11.7 8.7 13.1



#92

Benzo(g,h,i)perylene

Concen: 6.974 ng

RT: 30.018 min Scan# 4604

Delta R.T. -0.041 min

Lab File: BP025463.D

Acq: 18 Aug 2025 16:13

Tgt Ion:276 Resp: 421005

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.0

138 21.5 16.7 25.1

