

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081825\
 Data File : BP025468.D
 Acq On : 18 Aug 2025 19:39
 Operator : CG/JU
 Sample : Q2832-07 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 19 01:09:12 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)

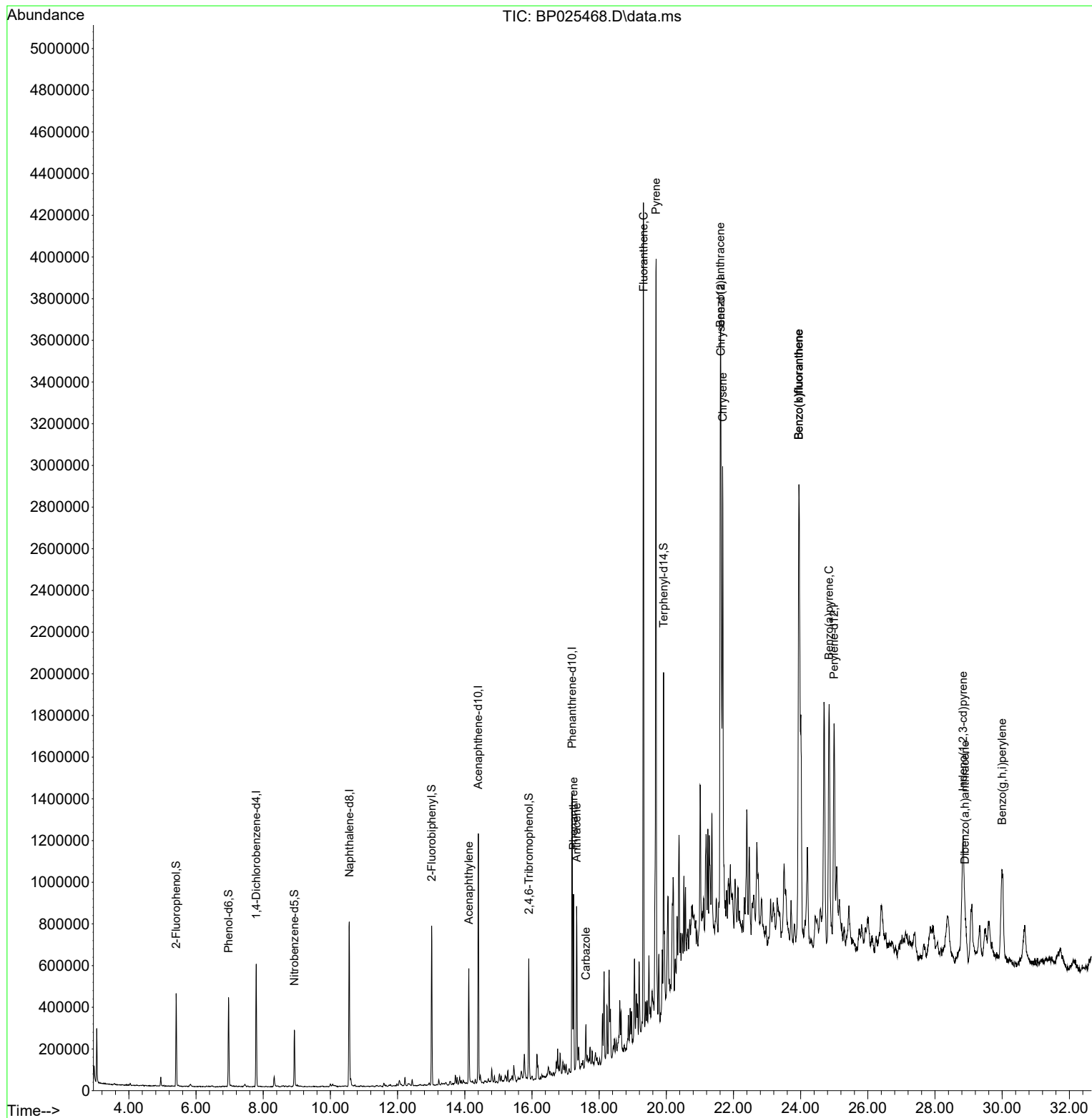
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	164690	20.000	ng	0.00
21) Naphthalene-d8	10.560	136	657475	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	417913	20.000	ng	0.00
64) Phenanthrene-d10	17.195	188	832801	20.000	ng	0.00
76) Chrysene-d12	21.624	240	885684	20.000	ng	-0.02
86) Perylene-d12	24.995	264	1055308	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	189368	19.095	ng	0.00
7) Phenol-d6	6.966	99	244099	19.199	ng	0.00
23) Nitrobenzene-d5	8.925	82	157759	12.138	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	105717	18.794	ng	0.00
45) 2-Fluorobiphenyl	13.013	172	389890	12.750	ng	0.00
79) Terphenyl-d14	19.919	244	625886	12.929	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.119	152	406656	10.401	ng	99
71) Phenanthrene	17.236	178	516366	11.287	ng	100
72) Anthracene	17.331	178	627288	13.427	ng	100
73) Carbazole	17.607	167	145506	3.307	ng	99
75) Fluoranthene	19.319	202	2533157	46.420	ng	99
78) Pyrene	19.695	202	2459371	42.722	ng	100
81) Benzo(a)anthracene	21.607	228	1711450	29.300	ng	96
83) Chrysene	21.677	228	1756967	32.119	ng	97
87) Indeno(1,2,3-cd)pyrene	28.836	276	1070327	13.830	ng	# 89
88) Benzo(b)fluoranthene	23.948	252	2596346	41.723	ng	99
89) Benzo(k)fluoranthene	23.948	252	2596346	41.694	ng	98
90) Benzo(a)pyrene	24.848	252	1365210	22.538	ng	98
91) Dibenzo(a,h)anthracene	28.895	278	312826	4.946	ng	94
92) Benzo(g,h,i)perylene	30.000	276	944424	15.191	ng	99

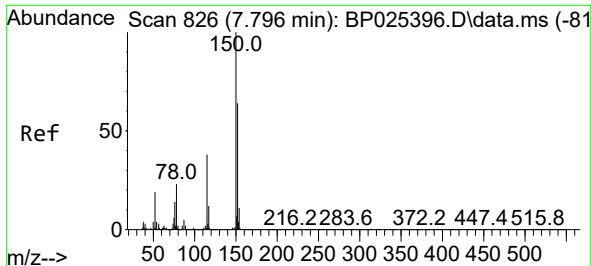
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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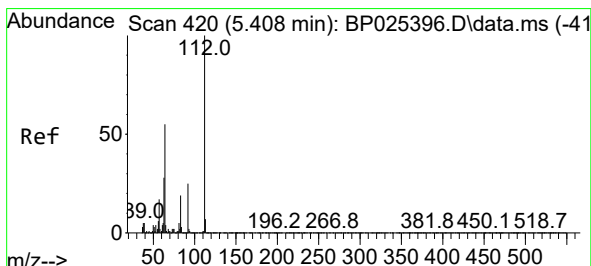
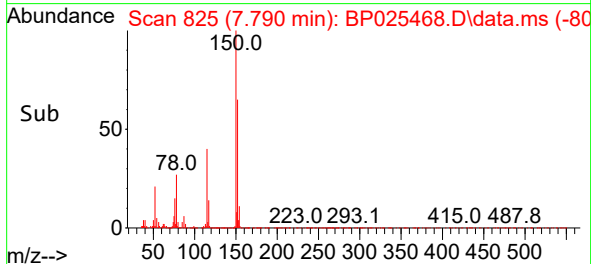
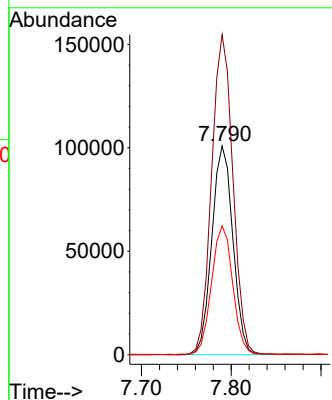
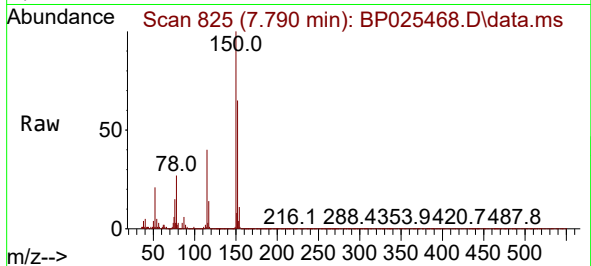




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.790 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BP025468.D
 Acq: 18 Aug 2025 19:39

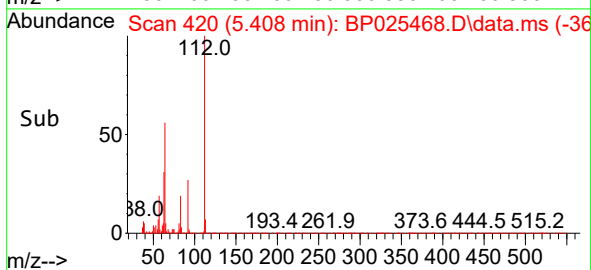
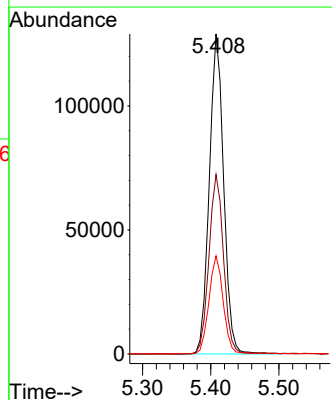
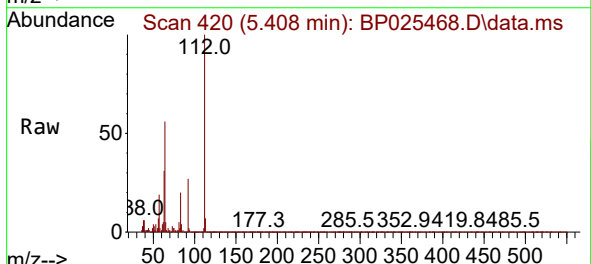
Instrument :
 BNA_P
 ClientSampleId :

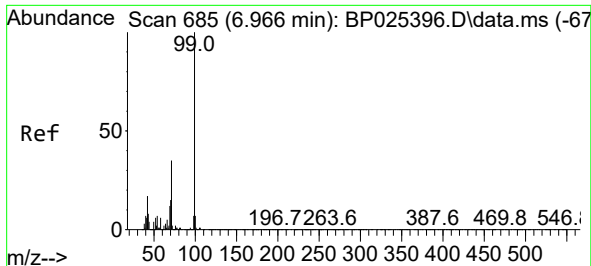
Tgt Ion:152 Resp: 164690
 Ion Ratio Lower Upper
 152 100
 150 153.3 125.9 188.9
 115 61.7 48.5 72.7



#5
 2-Fluorophenol
 Concen: 19.095 ng
 RT: 5.408 min Scan# 420
 Delta R.T. 0.000 min
 Lab File: BP025468.D
 Acq: 18 Aug 2025 19:39

Tgt Ion:112 Resp: 189368
 Ion Ratio Lower Upper
 112 100
 64 56.1 43.8 65.8
 63 30.6 22.7 34.1

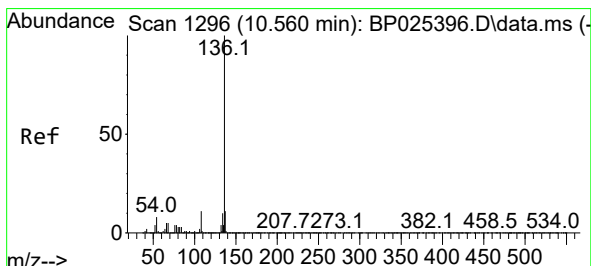
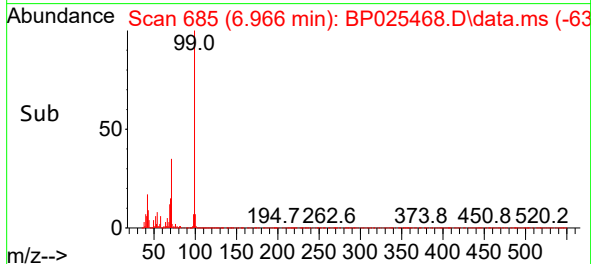
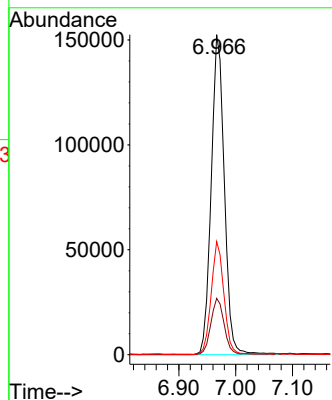
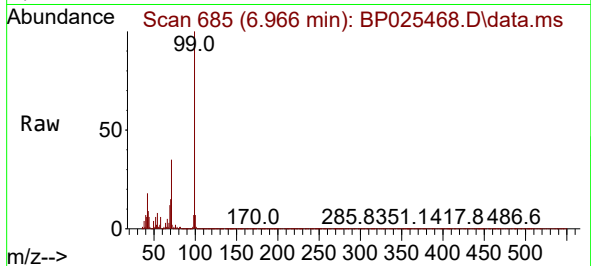




#7
Phenol-d6
Concen: 19.199 ng
RT: 6.966 min Scan# 685
Delta R.T. 0.000 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

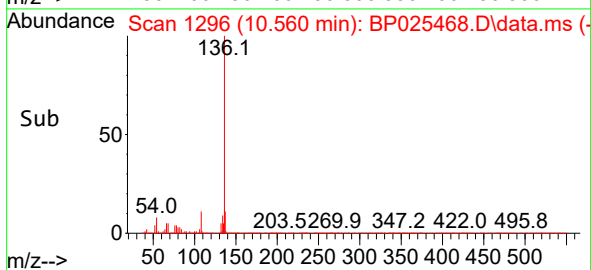
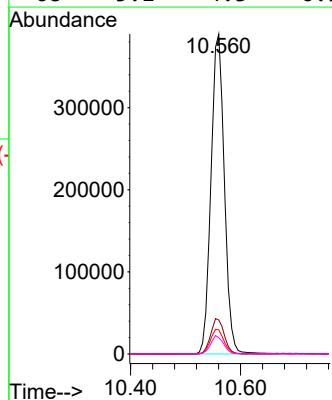
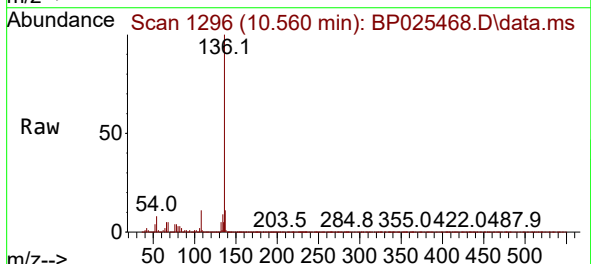
Instrument :
BNA_P
ClientSampleId :

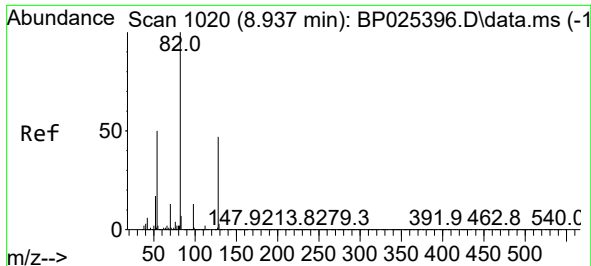
Tgt Ion: 99 Resp: 244099
Ion Ratio Lower Upper
99 100
42 17.6 13.7 20.5
71 35.3 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.560 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion: 136 Resp: 657475
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 7.6 6.0 9.0
68 5.1 4.3 6.5

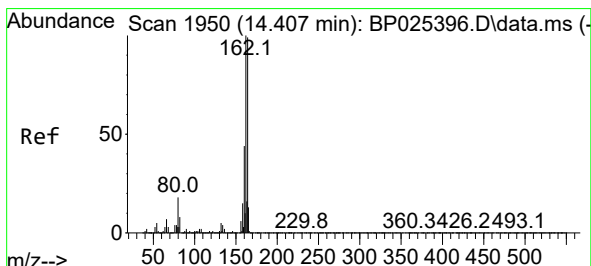
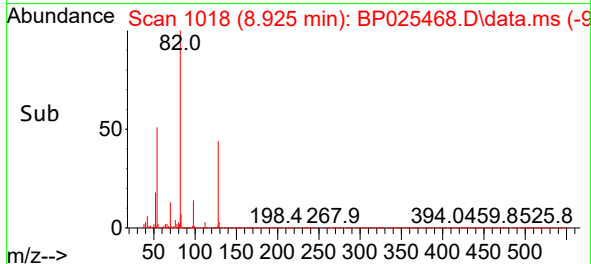
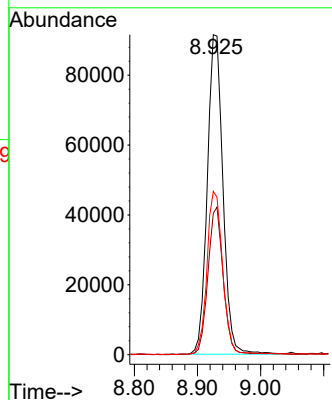
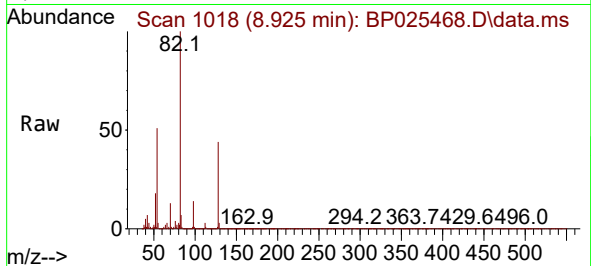




#23
Nitrobenzene-d5
Concen: 12.138 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

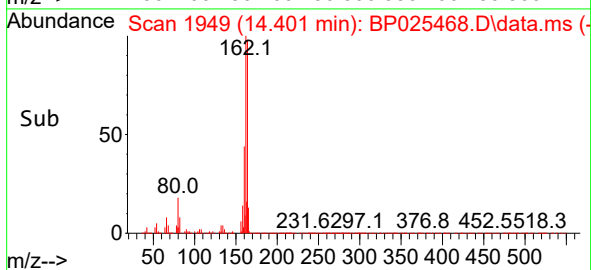
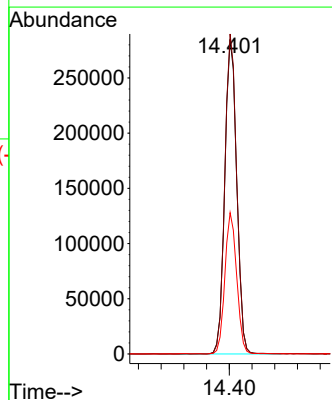
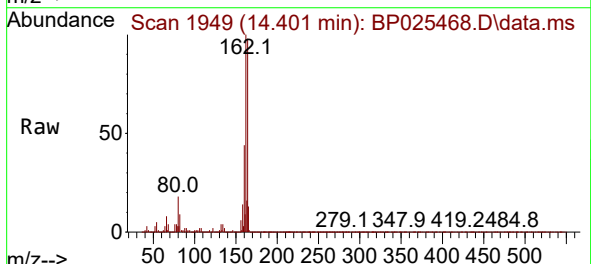
Instrument :
BNA_P
ClientSampleId :

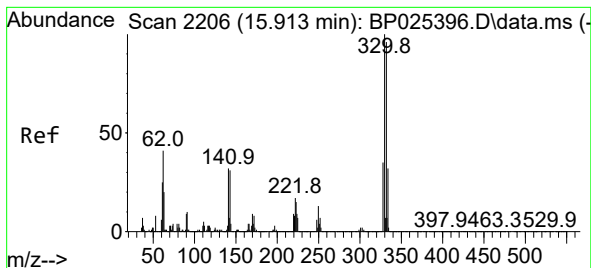
Tgt Ion: 82 Resp: 157759
Ion Ratio Lower Upper
82 100
128 44.2 37.7 56.5
54 51.1 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion: 164 Resp: 417913
Ion Ratio Lower Upper
164 100
162 101.8 81.0 121.6
160 44.9 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 18.794 ng

RT: 15.907 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

Instrument :

BNA_P

ClientSampleId :

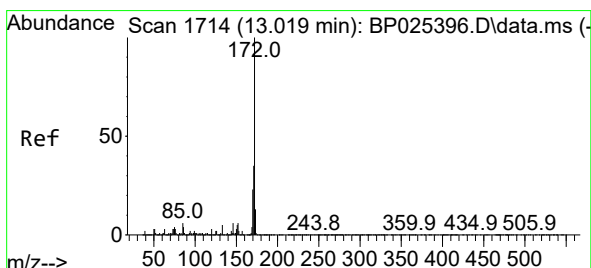
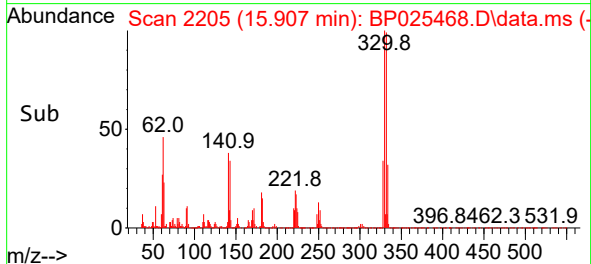
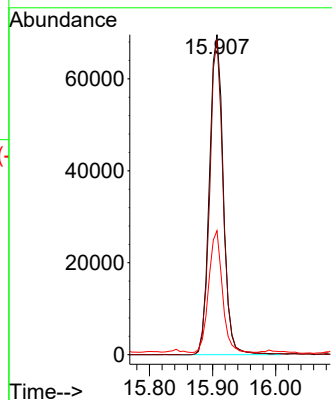
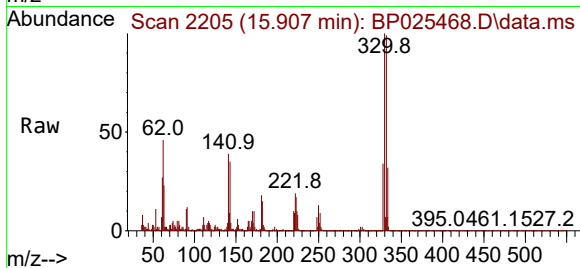
Tgt Ion:330 Resp: 105717

Ion Ratio Lower Upper

330 100

332 95.4 77.3 115.9

141 37.9 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 12.750 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

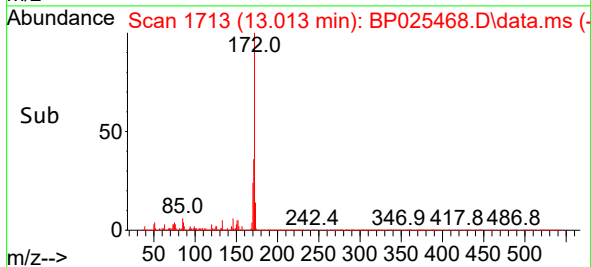
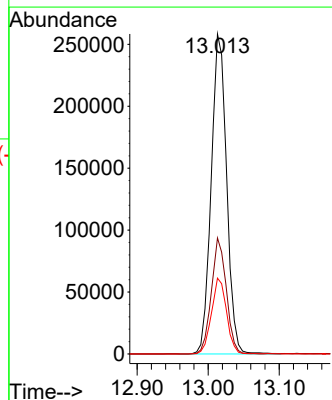
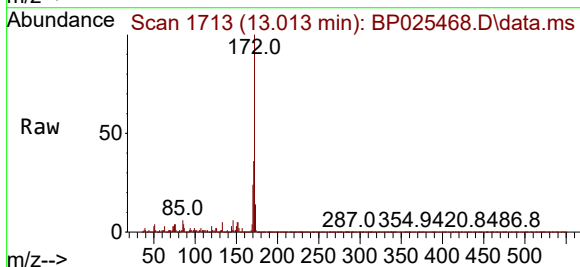
Tgt Ion:172 Resp: 389890

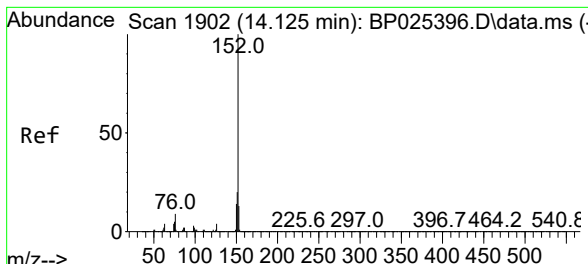
Ion Ratio Lower Upper

172 100

171 36.2 28.1 42.1

170 23.7 18.6 28.0



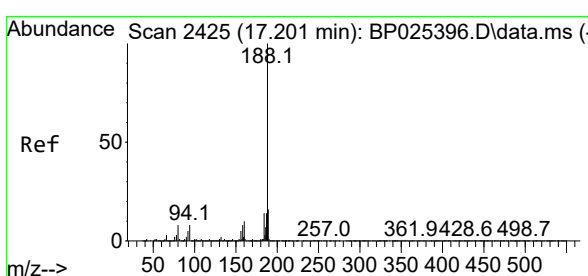
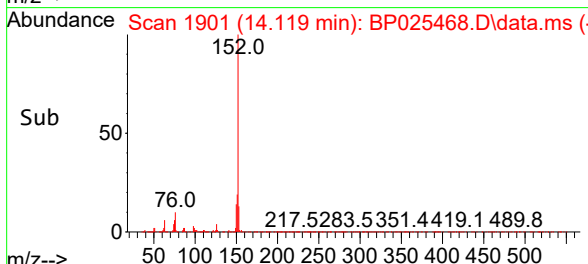
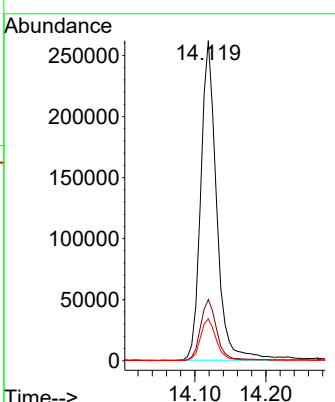
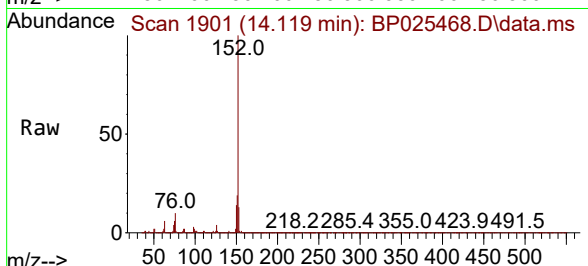


#49
 Acenaphthylene
 Concen: 10.401 ng
 RT: 14.119 min Scan# 1901
 Delta R.T. -0.006 min
 Lab File: BP025468.D
 Acq: 18 Aug 2025 19:39

Instrument :
 BNA_P
 ClientSampleId :

Tgt Ion:152 Resp: 406656

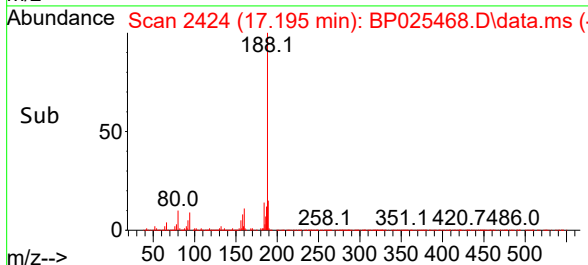
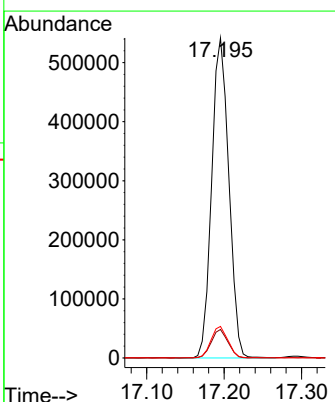
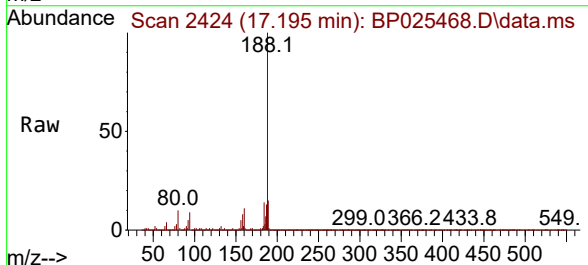
Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.0	24.0
153	13.1	10.6	15.8

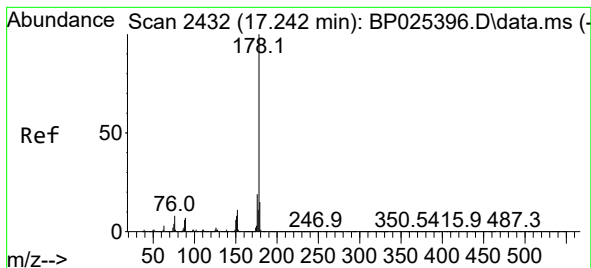


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.195 min Scan# 2424
 Delta R.T. -0.006 min
 Lab File: BP025468.D
 Acq: 18 Aug 2025 19:39

Tgt Ion:188 Resp: 832801

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.6	10.0
80	9.9	6.7	10.1





#71

Phenanthrene

Concen: 11.287 ng

RT: 17.236 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

Instrument :

BNA_P

ClientSampleId :

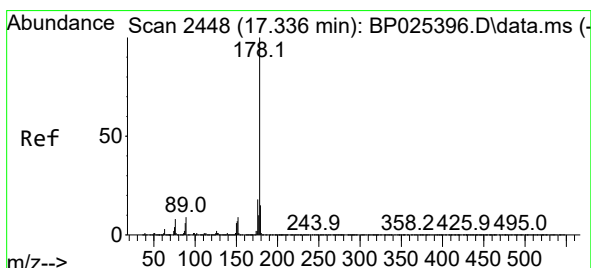
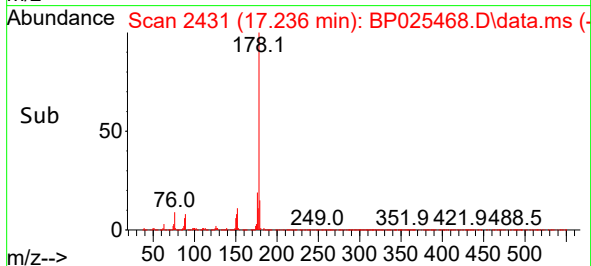
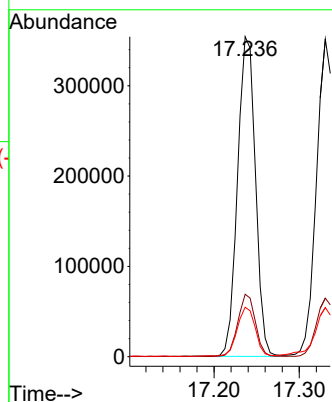
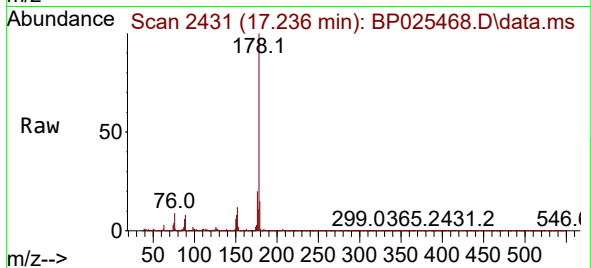
Tgt Ion:178 Resp: 516366

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.5 12.2 18.4



#72

Anthracene

Concen: 13.427 ng

RT: 17.331 min Scan# 2447

Delta R.T. -0.006 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

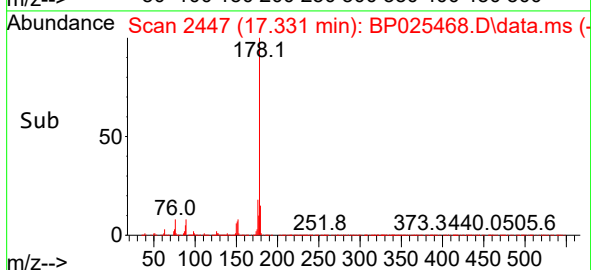
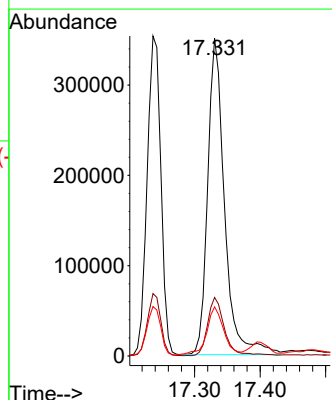
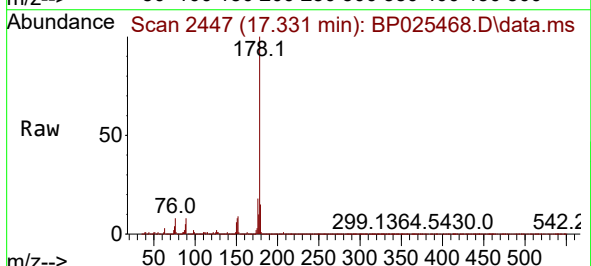
Tgt Ion:178 Resp: 627288

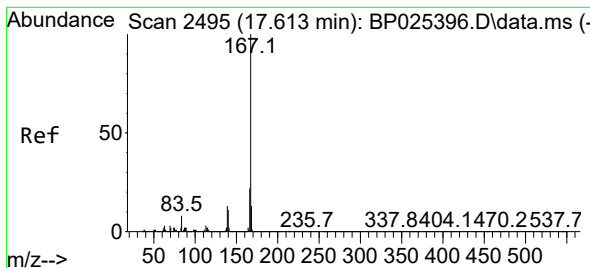
Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.4 12.2 18.2





#73

Carbazole

Concen: 3.307 ng

RT: 17.607 min Scan# 2495

Delta R.T. -0.006 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

Instrument :

BNA_P

ClientSampleId :

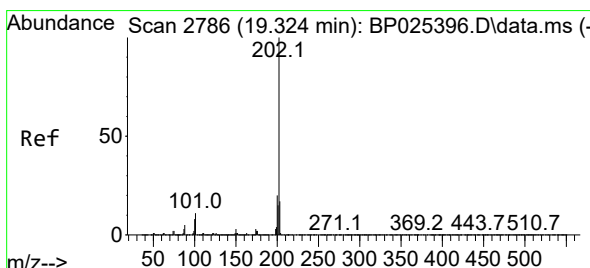
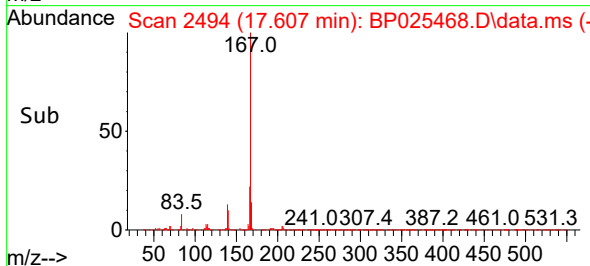
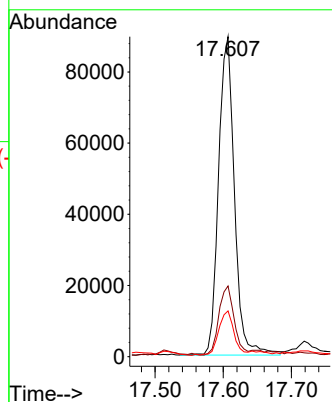
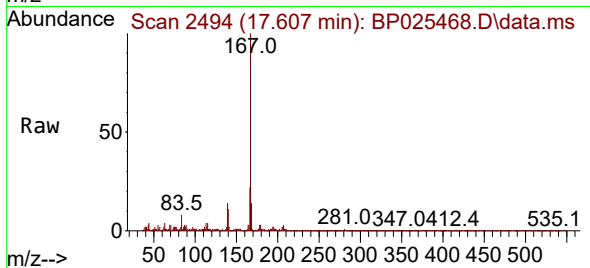
Tgt Ion:167 Resp: 145506

Ion Ratio Lower Upper

167 100

166 22.1 17.5 26.3

139 14.3 10.6 16.0



#75

Fluoranthene

Concen: 46.420 ng

RT: 19.319 min Scan# 2785

Delta R.T. -0.006 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

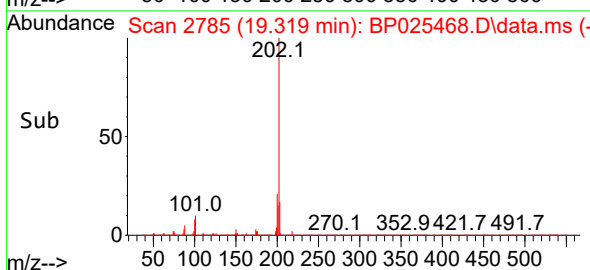
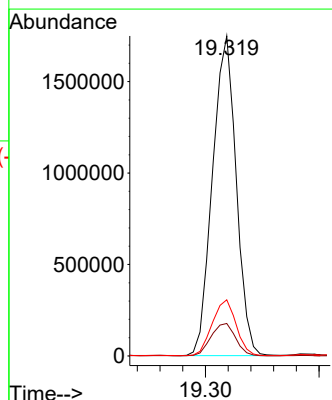
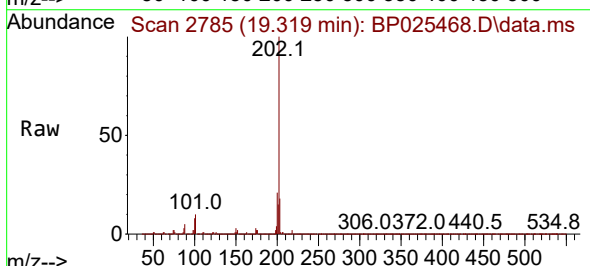
Tgt Ion:202 Resp: 2533157

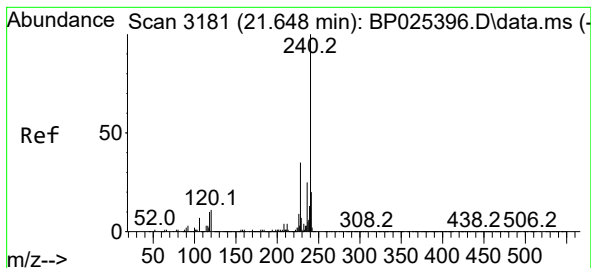
Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.1

203 17.5 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.624 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

Instrument :

BNA_P

ClientSampleId :

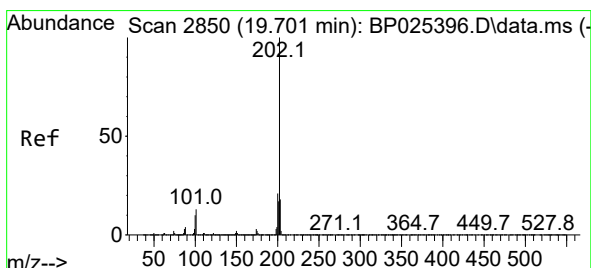
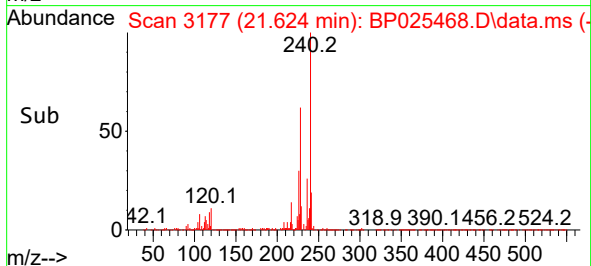
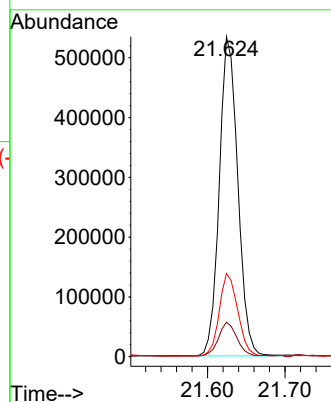
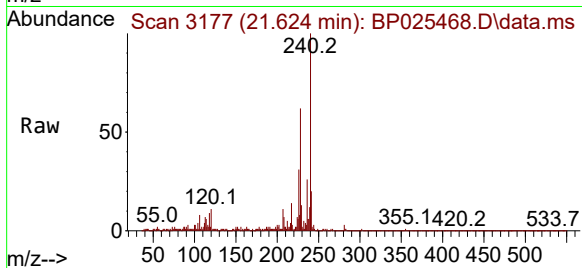
Tgt Ion:240 Resp: 885684

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

236 26.0 19.8 29.8



#78

Pyrene

Concen: 42.722 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

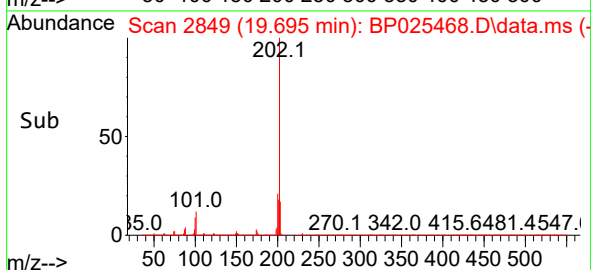
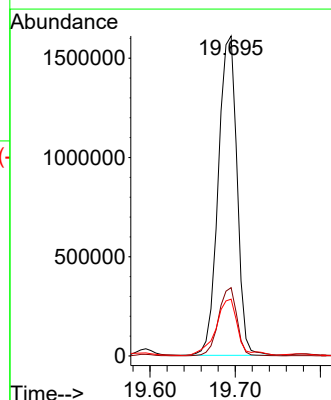
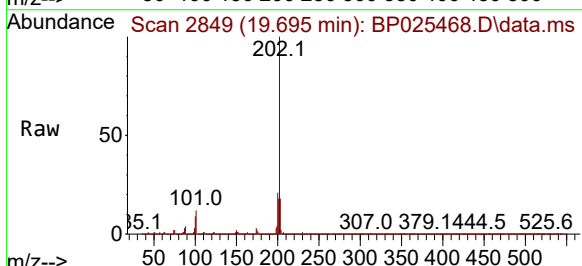
Tgt Ion:202 Resp: 2459371

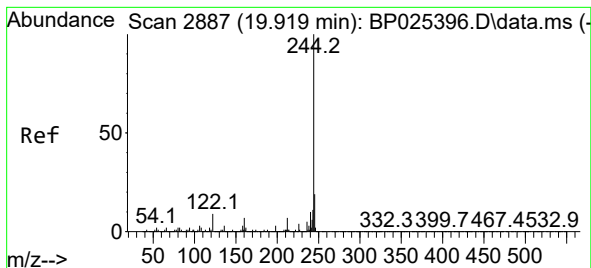
Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 12.929 ng

RT: 19.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

Instrument :

BNA_P

ClientSampleId :

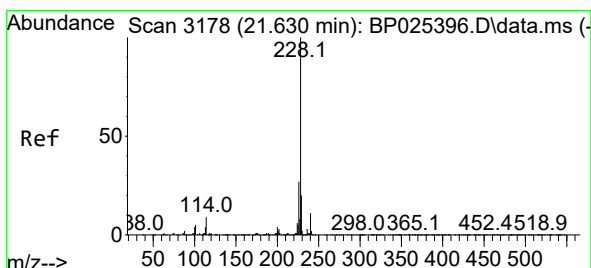
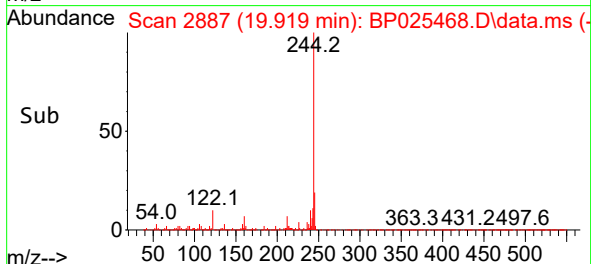
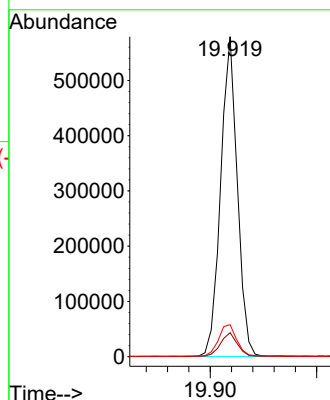
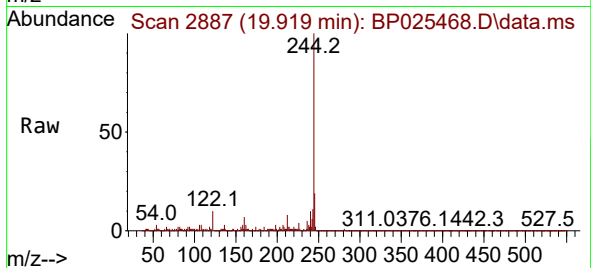
Tgt Ion:244 Resp: 625886

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

122 10.0 7.4 11.2



#81

Benzo(a)anthracene

Concen: 29.300 ng

RT: 21.607 min Scan# 3174

Delta R.T. -0.023 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

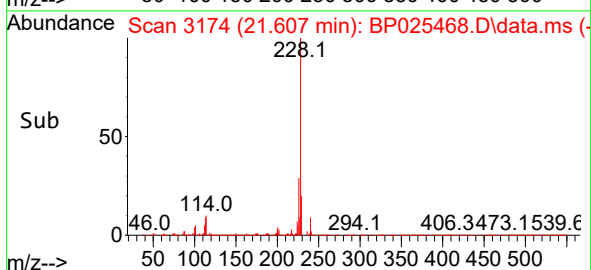
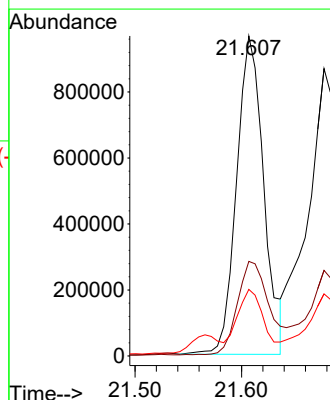
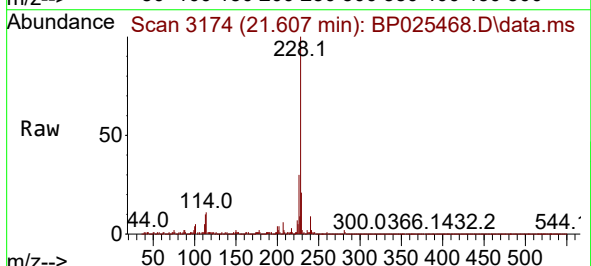
Tgt Ion:228 Resp: 1711450

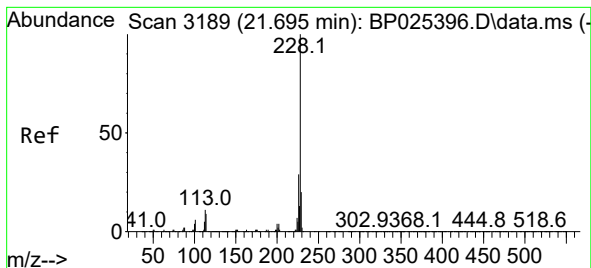
Ion Ratio Lower Upper

228 100

226 29.5 21.7 32.5

229 20.8 15.6 23.4





#83

Chrysene

Concen: 32.119 ng

RT: 21.677 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

Instrument :

BNA_P

ClientSampleId :

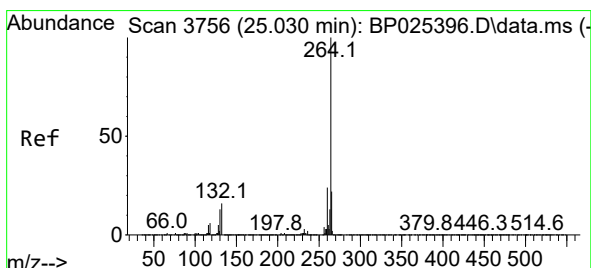
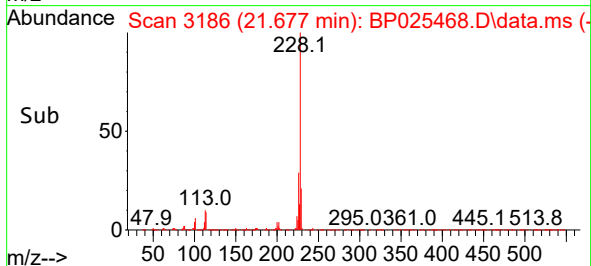
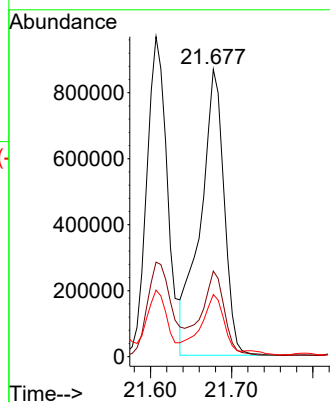
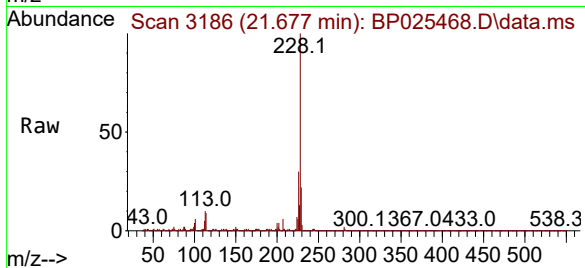
Tgt Ion:228 Resp: 1756967

Ion Ratio Lower Upper

228 100

226 29.8 23.2 34.8

229 21.6 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.995 min Scan# 3750

Delta R.T. -0.035 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

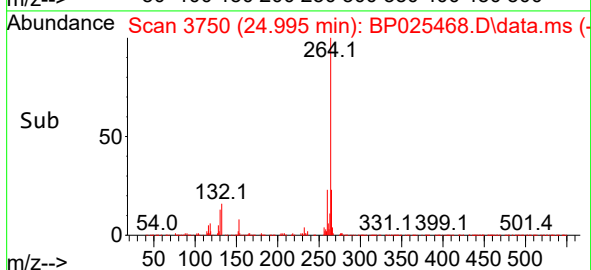
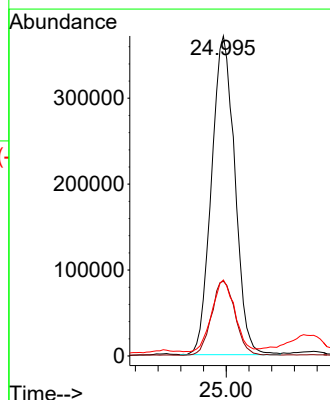
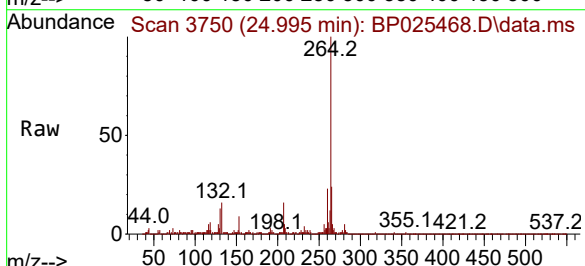
Tgt Ion:264 Resp: 1055308

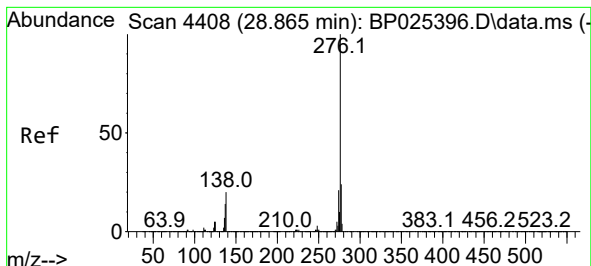
Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 23.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.830 ng

RT: 28.836 min Scan# 4408

Delta R.T. -0.029 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

Instrument :

BNA_P

ClientSampleId :

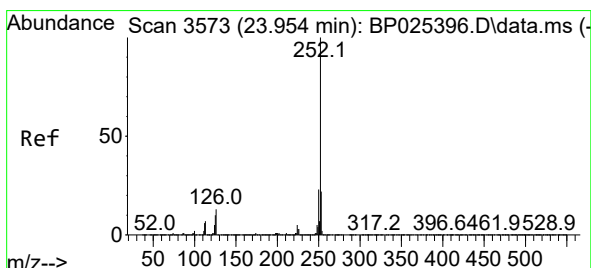
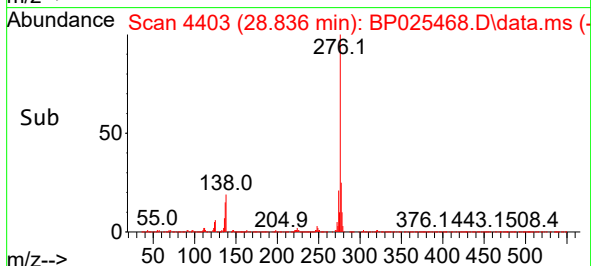
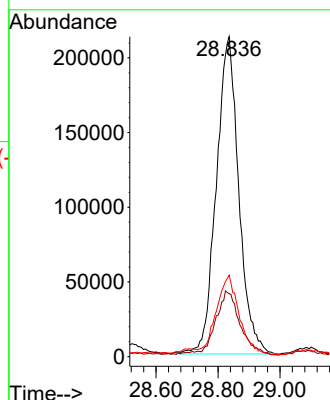
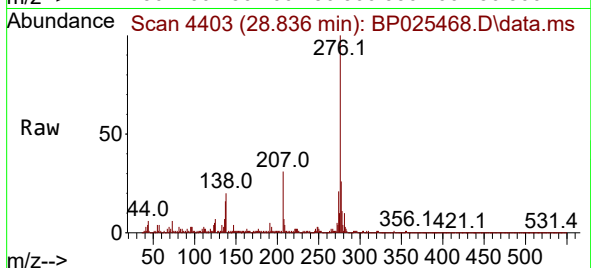
Tgt Ion:276 Resp: 1070327

Ion Ratio Lower Upper

276 100

138 22.0 12.9 19.3#

277 25.7 17.0 25.6#



#88

Benzo(b)fluoranthene

Concen: 41.723 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

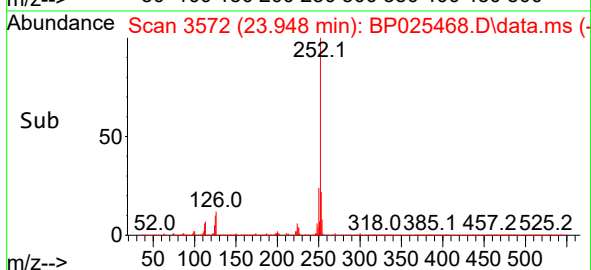
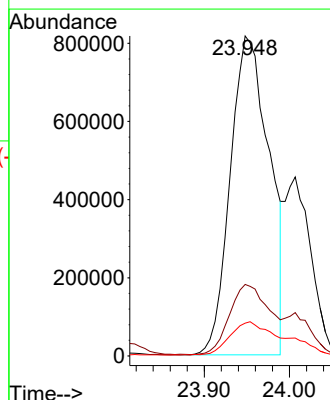
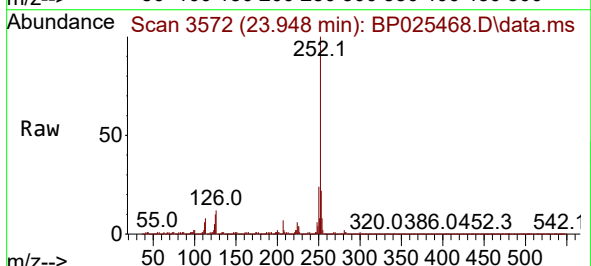
Tgt Ion:252 Resp: 2596346

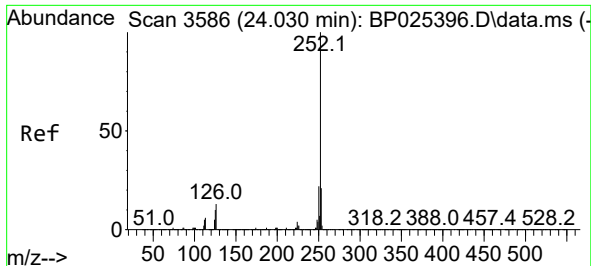
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 10.3 7.9 11.9

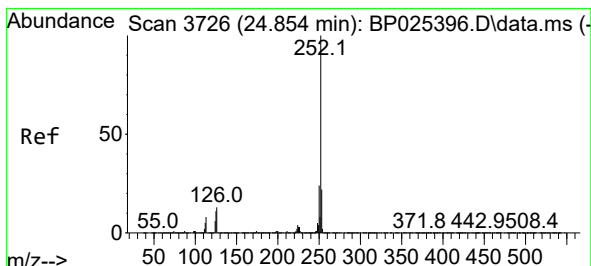
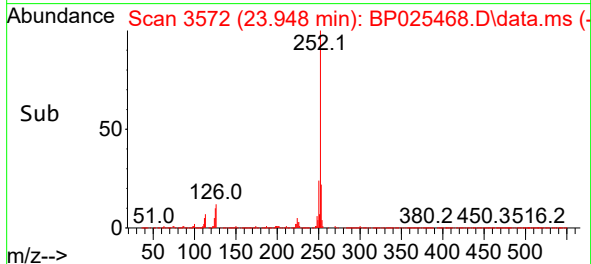
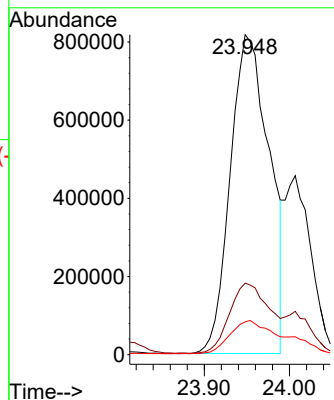
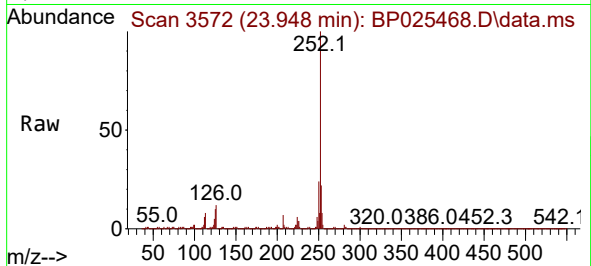




#89
Benzo(k)fluoranthene
Concen: 41.694 ng
RT: 23.948 min Scan# 31
Delta R.T. -0.082 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

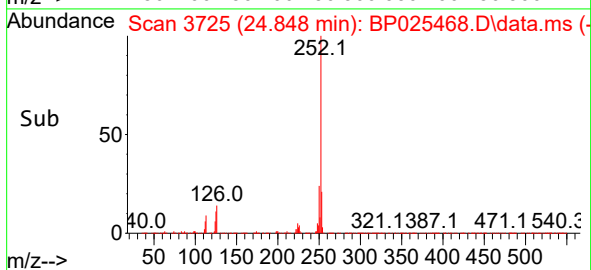
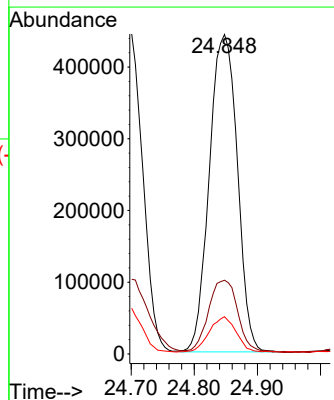
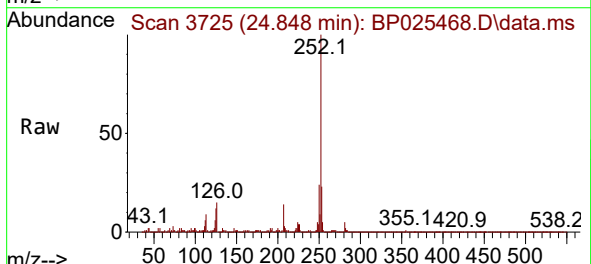
Instrument :
BNA_P
ClientSampleId :

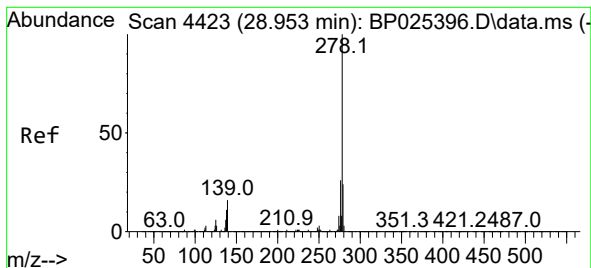
Tgt Ion:252 Resp: 2596346
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 10.3 7.8 11.6



#90
Benzo(a)pyrene
Concen: 22.538 ng
RT: 24.848 min Scan# 3725
Delta R.T. -0.006 min
Lab File: BP025468.D
Acq: 18 Aug 2025 19:39

Tgt Ion:252 Resp: 1365210
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.7 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 4.946 ng

RT: 28.895 min Scan# 4423

Delta R.T. -0.059 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

Instrument :

BNA_P

ClientSampleId :

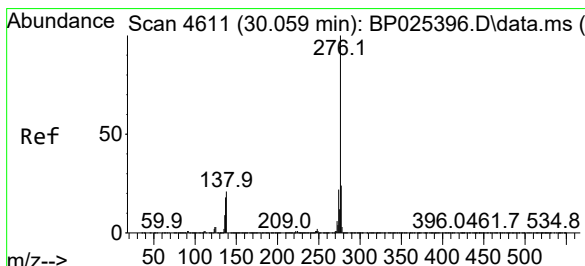
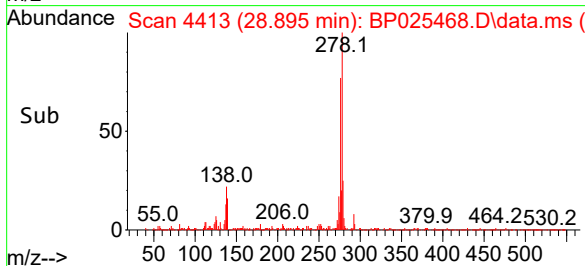
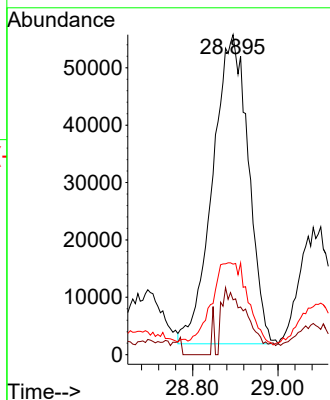
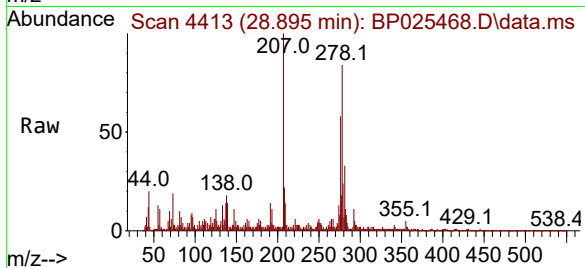
Tgt Ion:278 Resp: 312826

Ion Ratio Lower Upper

278 100

139 17.1 13.0 19.4

279 28.3 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 15.191 ng

RT: 30.000 min Scan# 4601

Delta R.T. -0.059 min

Lab File: BP025468.D

Acq: 18 Aug 2025 19:39

Tgt Ion:276 Resp: 944424

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.0

138 20.3 16.7 25.1

