

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091625\
 Data File : BP025765.D
 Acq On : 16 Sep 2025 19:56
 Operator : CG/JU
 Sample : Q3104-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-091525

Quant Time: Sep 17 05:12:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

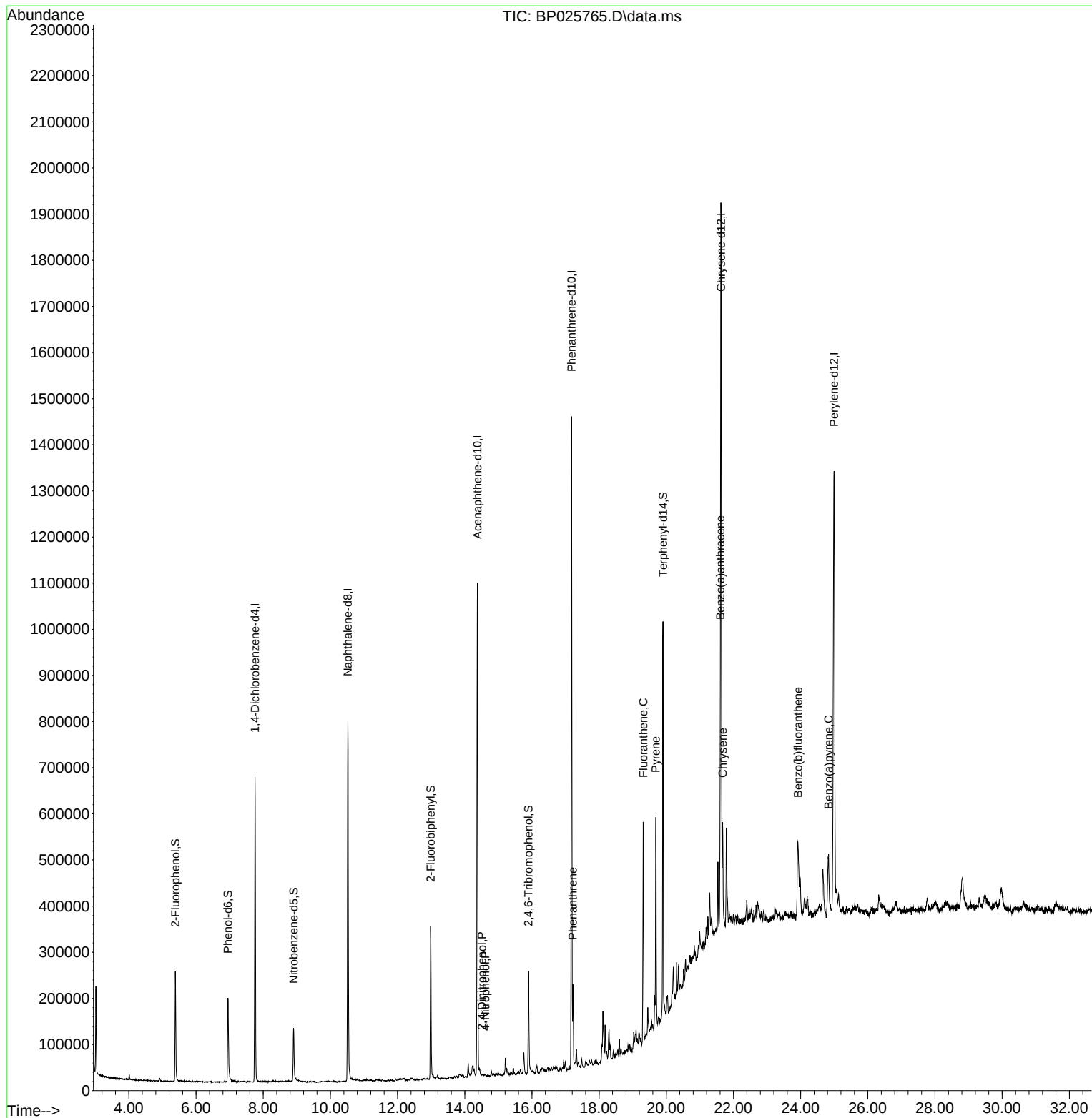
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.755	152	180907	20.000	ng	0.00
21) Naphthalene-d8	10.519	136	674086	20.000	ng	0.00
39) Acenaphthene-d10	14.378	164	427237	20.000	ng	0.00
64) Phenanthrene-d10	17.178	188	839971	20.000	ng	0.00
76) Chrysene-d12	21.630	240	942010	20.000	ng	-0.01
86) Perylene-d12	24.995	264	1021629	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	106998	9.543	ng	0.00
7) Phenol-d6	6.949	99	128886	8.649	ng	0.00
23) Nitrobenzene-d5	8.902	82	82959	5.429	ng	0.00
42) 2,4,6-Tribromophenol	15.895	330	44800	8.407	ng	-0.01
45) 2-Fluorobiphenyl	12.984	172	200273	6.242	ng	0.00
79) Terphenyl-d14	19.901	244	386767	7.386	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.513	184	20	4.829	ng	# 1
56) 4-Nitrophenol	14.613	139	185	4.510	ng	# 75
71) Phenanthrene	17.219	178	108830	2.284	ng	100
75) Fluoranthene	19.313	202	292668	5.121	ng	100
78) Pyrene	19.689	202	287292	4.571	ng	99
81) Benzo(a)anthracene	21.607	228	173267	2.687	ng	99
83) Chrysene	21.677	228	161272	2.623	ng	97
88) Benzo(b)fluoranthene	23.918	252	201167	3.220	ng	# 98
90) Benzo(a)pyrene	24.830	252	157228	2.570	ng	93

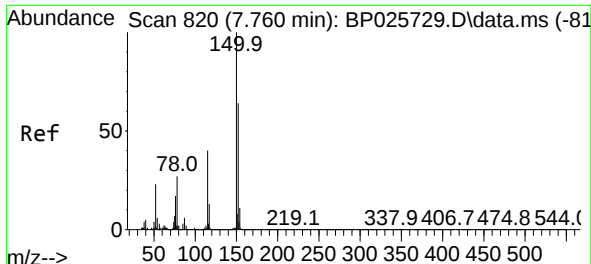
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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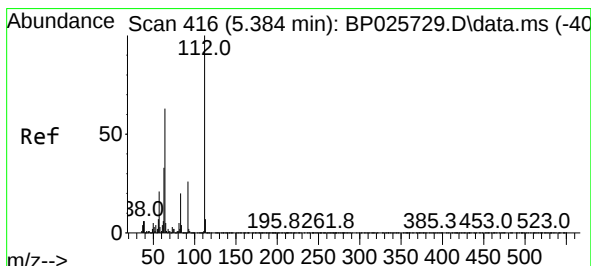
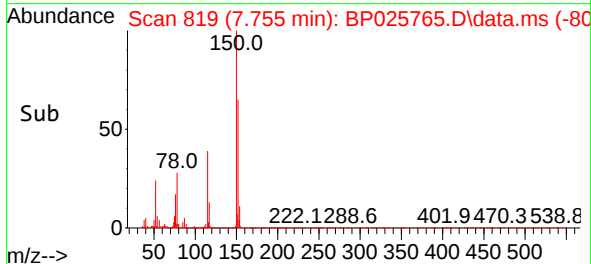
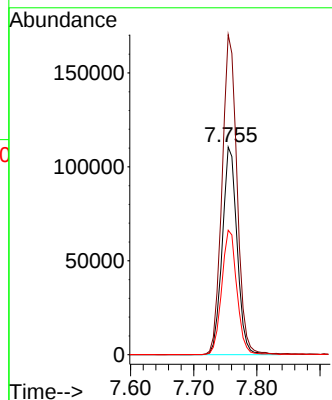
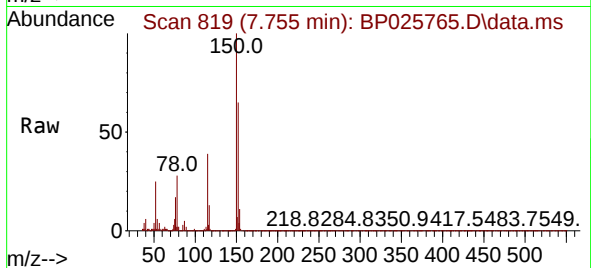




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.755 min Scan# 819
Delta R.T. -0.005 min
Lab File: BP025765.D
Acq: 16 Sep 2025 19:56

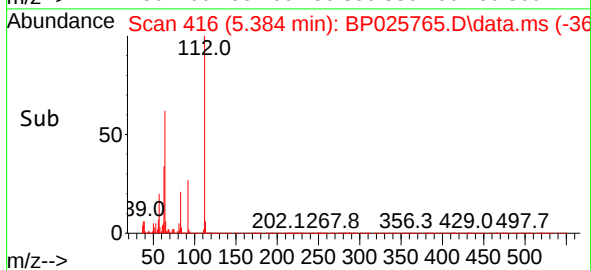
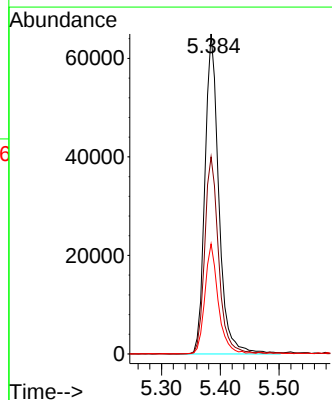
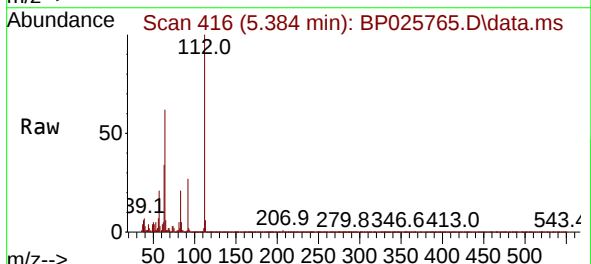
Instrument :
BNA_P
ClientSampleId :
SU-04-091525

Tgt Ion:152 Resp: 180907
Ion Ratio Lower Upper
152 100
150 154.1 124.3 186.5
115 60.0 50.3 75.5



#5
2-Fluorophenol
Concen: 9.543 ng
RT: 5.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP025765.D
Acq: 16 Sep 2025 19:56

Tgt Ion:112 Resp: 106998
Ion Ratio Lower Upper
112 100
64 61.6 50.2 75.4
63 34.4 26.7 40.1

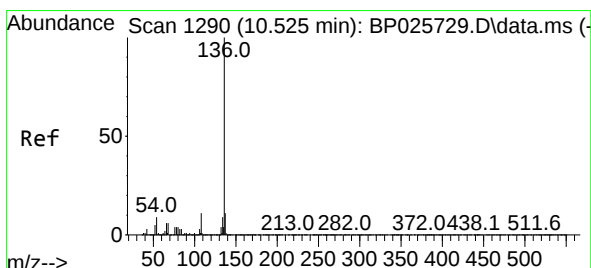
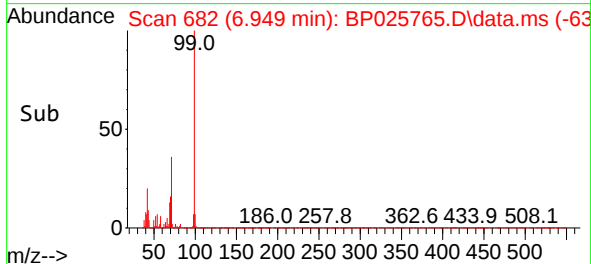
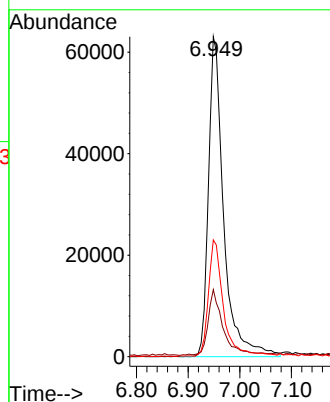
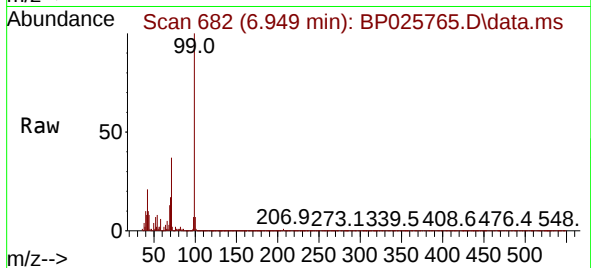




#7
Phenol-d6
Concen: 8.649 ng
RT: 6.949 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025765.D
Acq: 16 Sep 2025 19:56

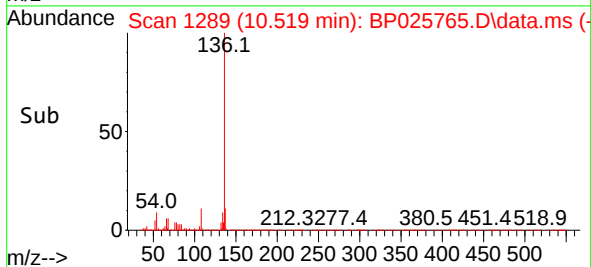
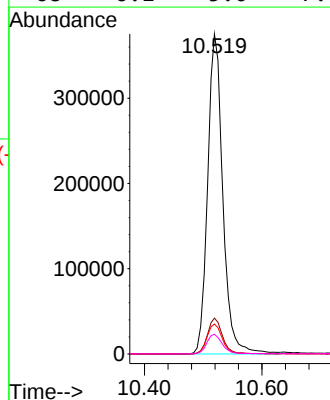
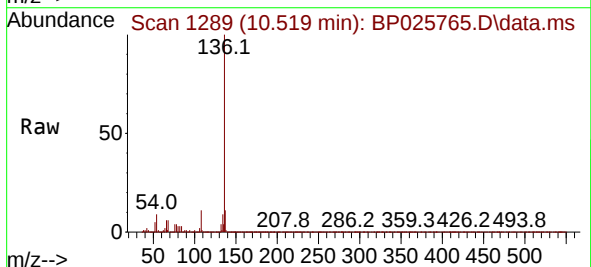
Instrument :
BNA_P
ClientSampleId :
SU-04-091525

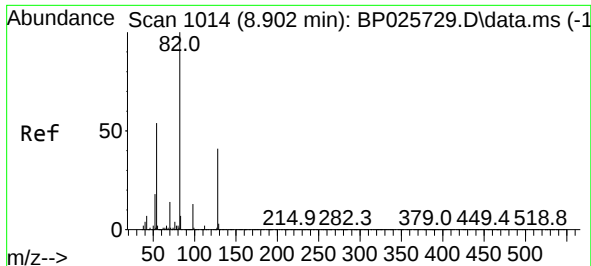
Tgt Ion:	99	Resp:	128886
Ion	Ratio	Lower	Upper
99	100		
42	21.0	15.6	23.4
71	36.5	28.6	43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025765.D
Acq: 16 Sep 2025 19:56

Tgt Ion:	136	Resp:	674086
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.4	7.5	11.3
68	6.1	5.0	7.6





#23

Nitrobenzene-d5

Concen: 5.429 ng

RT: 8.902 min Scan# 1014

Delta R.T. -0.000 min

Lab File: BP025765.D

Acq: 16 Sep 2025 19:56

Instrument :

BNA_P

ClientSampleId :

SU-04-091525

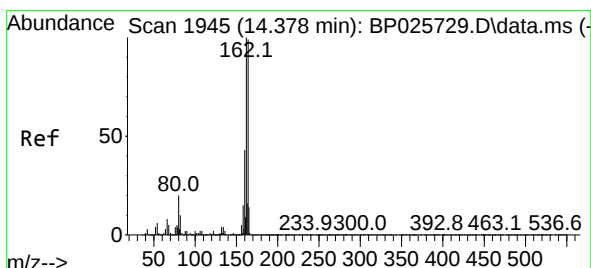
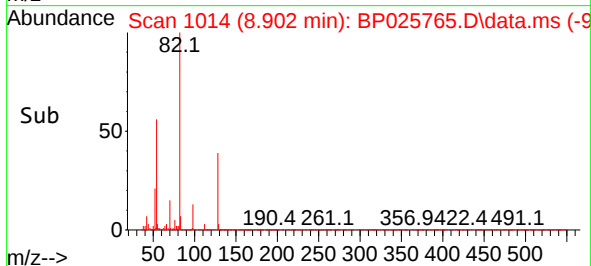
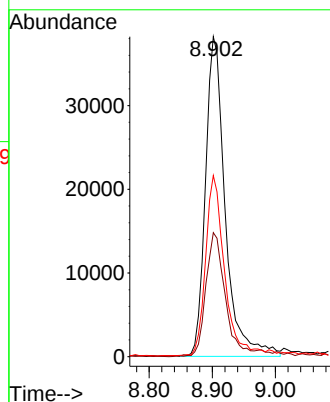
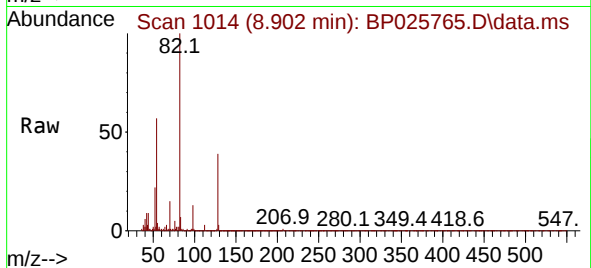
Tgt Ion: 82 Resp: 82959

Ion Ratio Lower Upper

82 100

128 38.7 32.9 49.3

54 56.6 43.4 65.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.378 min Scan# 1945

Delta R.T. -0.000 min

Lab File: BP025765.D

Acq: 16 Sep 2025 19:56

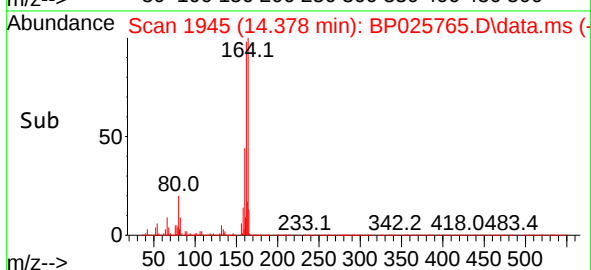
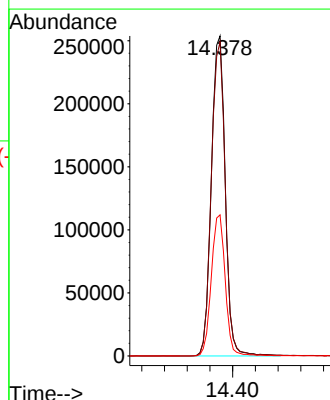
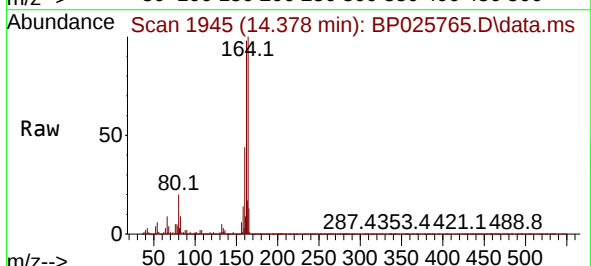
Tgt Ion: 164 Resp: 427237

Ion Ratio Lower Upper

164 100

162 98.1 80.6 120.8

160 44.1 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 8.407 ng

RT: 15.895 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025765.D

Acq: 16 Sep 2025 19:56

Instrument :

BNA_P

ClientSampleId :

SU-04-091525

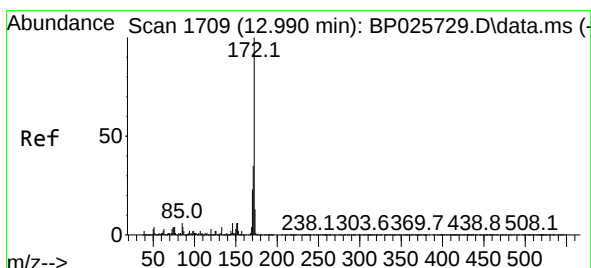
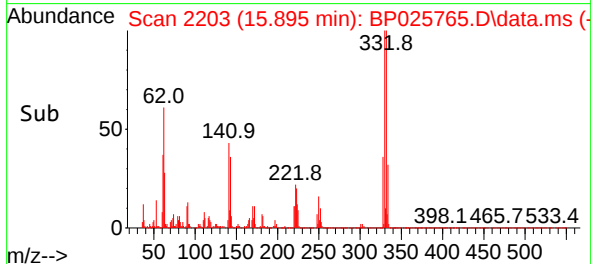
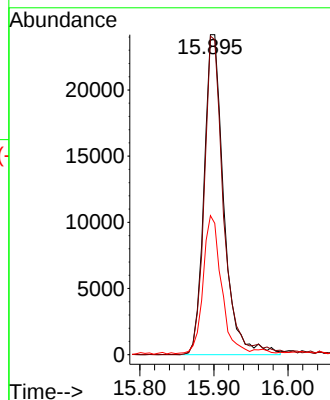
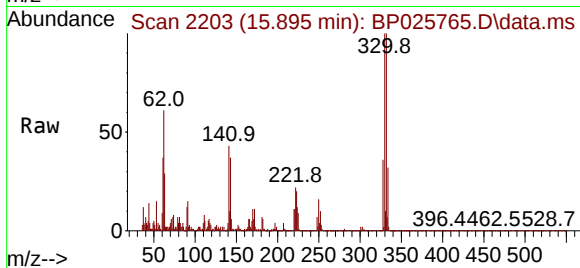
Tgt Ion:330 Resp: 44800

Ion Ratio Lower Upper

330 100

332 97.2 76.9 115.3

141 39.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 6.242 ng

RT: 12.984 min Scan# 1708

Delta R.T. -0.006 min

Lab File: BP025765.D

Acq: 16 Sep 2025 19:56

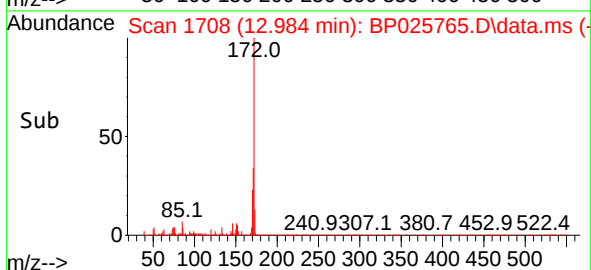
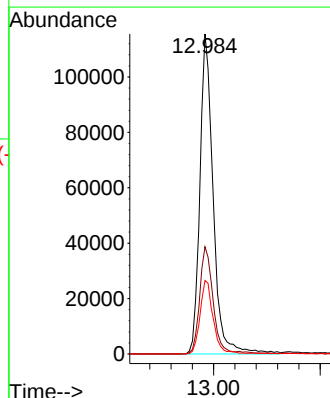
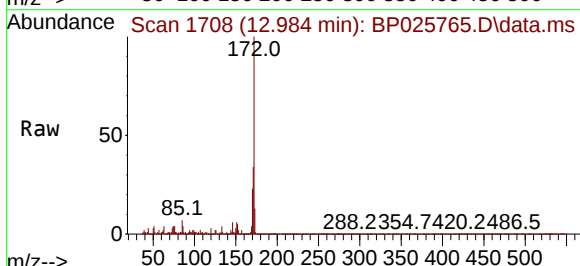
Tgt Ion:172 Resp: 200273

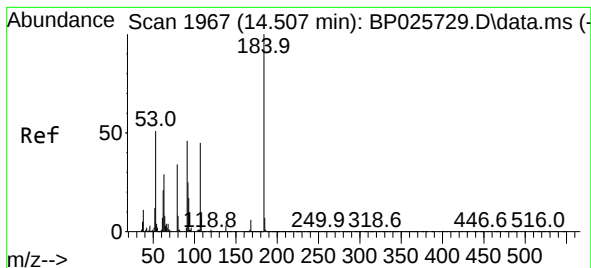
Ion Ratio Lower Upper

172 100

171 33.5 27.8 41.6

170 22.9 18.6 27.8





#54

2,4-Dinitrophenol

Concen: 4.829 ng

RT: 14.513 min Scan# 1968

Delta R.T. 0.006 min

Lab File: BP025765.D

Acq: 16 Sep 2025 19:56

Instrument :

BNA_P

ClientSampleId :

SU-04-091525

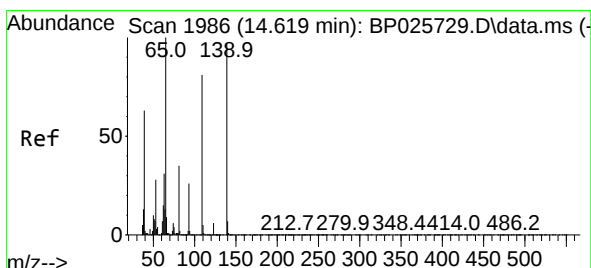
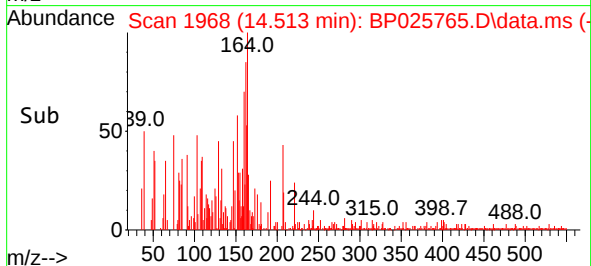
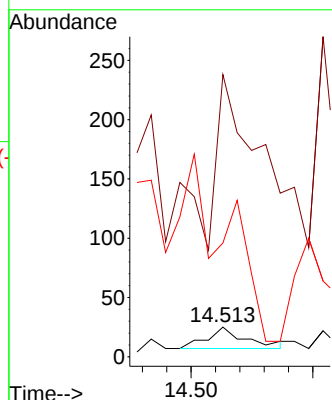
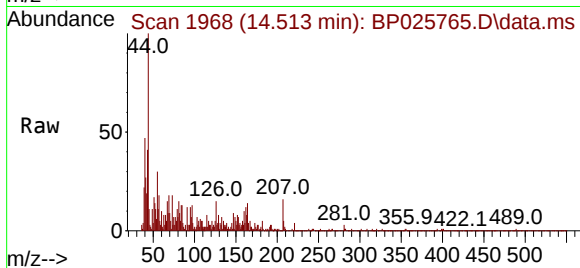
Tgt Ion:184 Resp: 20

Ion Ratio Lower Upper

184 100

63 952.0 52.5 78.7#

154 384.0 51.5 77.3#



#56

4-Nitrophenol

Concen: 4.510 ng

RT: 14.613 min Scan# 1985

Delta R.T. -0.006 min

Lab File: BP025765.D

Acq: 16 Sep 2025 19:56

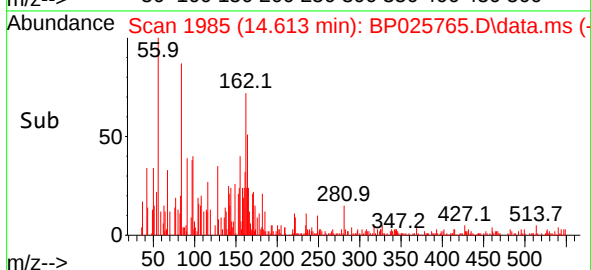
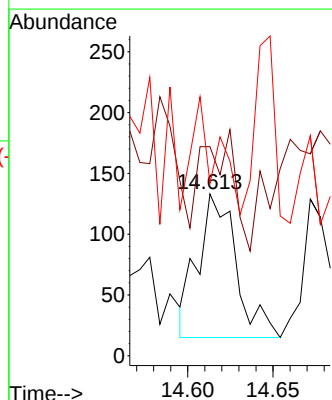
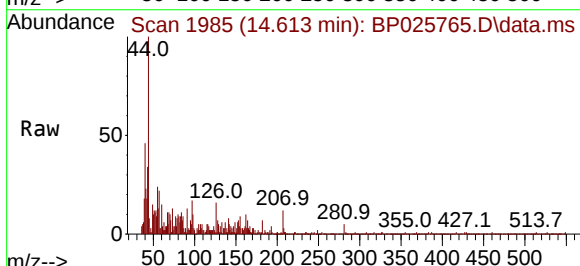
Tgt Ion:139 Resp: 185

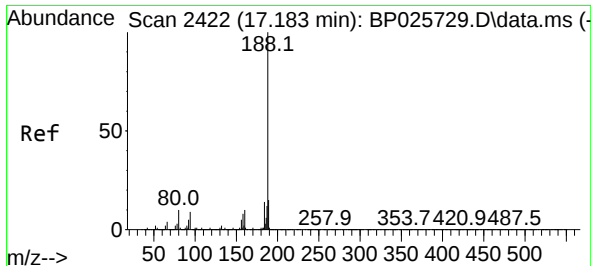
Ion Ratio Lower Upper

139 100

109 129.3 62.9 102.9#

65 106.8 83.4 123.4

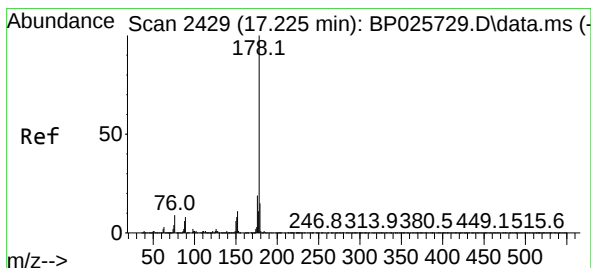
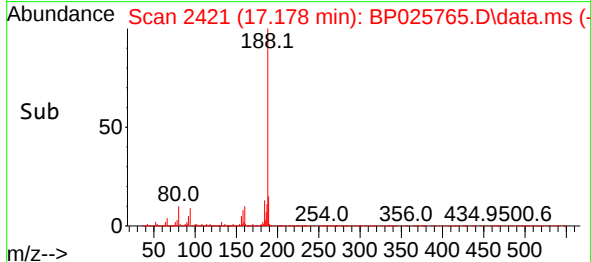
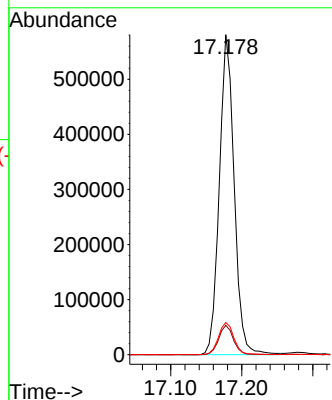
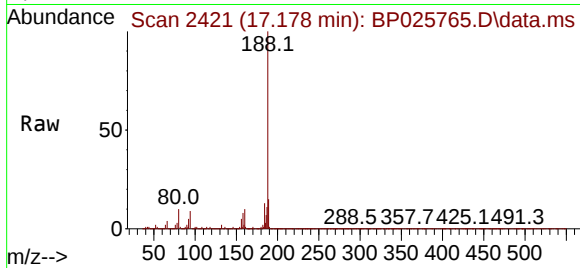




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.178 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BP025765.D
Acq: 16 Sep 2025 19:56

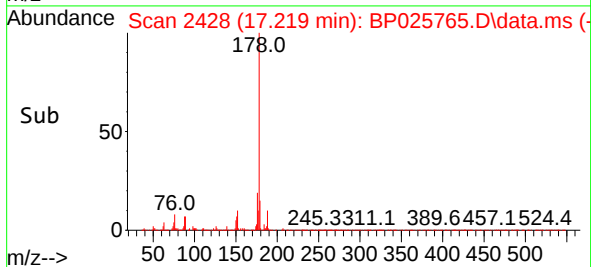
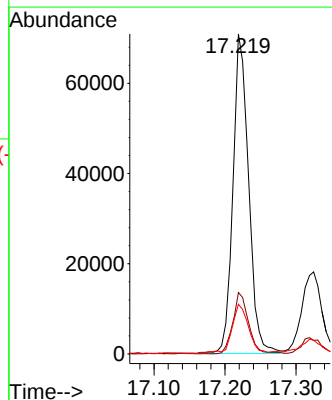
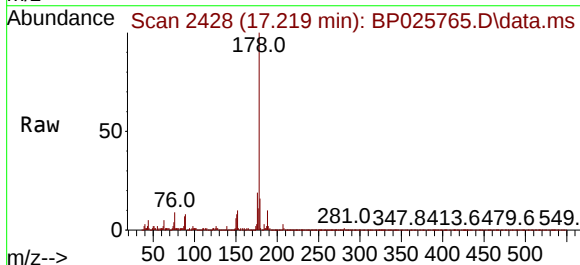
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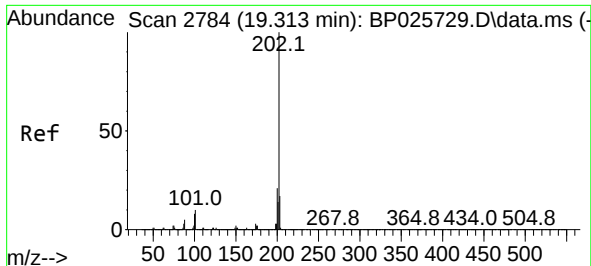
Tgt Ion:188 Resp: 839971
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.0
80 10.0 7.7 11.5



#71
Phenanthrene
Concen: 2.284 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025765.D
Acq: 16 Sep 2025 19:56

Tgt Ion:178 Resp: 108830
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.6 12.2 18.4

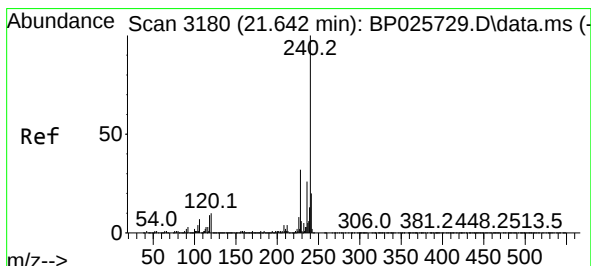
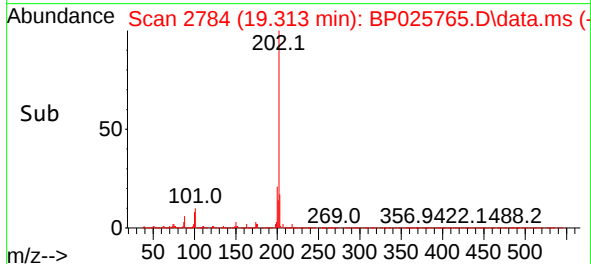
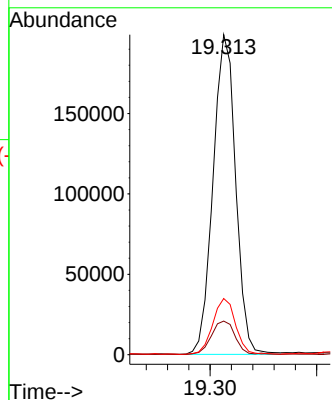
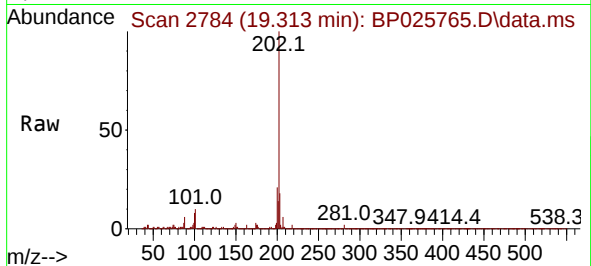




#75
Fluoranthene
Concen: 5.121 ng
RT: 19.313 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025765.D
Acq: 16 Sep 2025 19:56

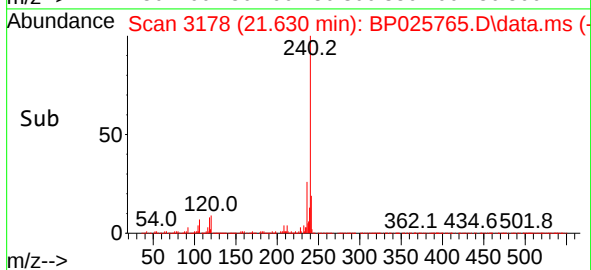
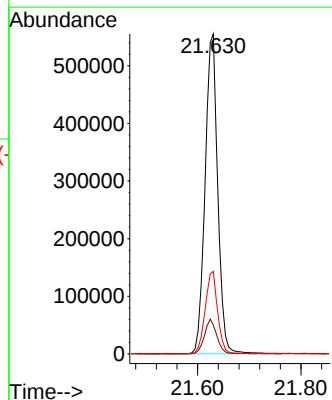
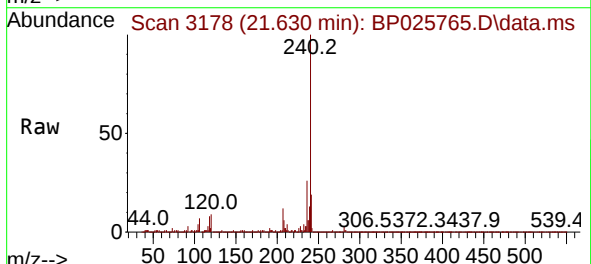
Instrument :
BNA_P
ClientSampleId :
SU-04-091525

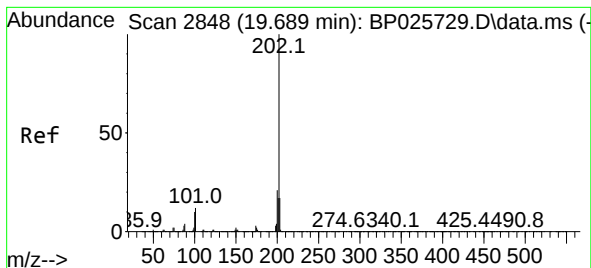
Tgt Ion:202 Resp: 292668
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.4
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.012 min
Lab File: BP025765.D
Acq: 16 Sep 2025 19:56

Tgt Ion:240 Resp: 942010
Ion Ratio Lower Upper
240 100
120 9.0 8.0 12.0
236 25.8 20.7 31.1





#78

Pyrene

Concen: 4.571 ng

RT: 19.689 min Scan# 2848

Delta R.T. -0.000 min

Lab File: BP025765.D

Acq: 16 Sep 2025 19:56

Instrument :

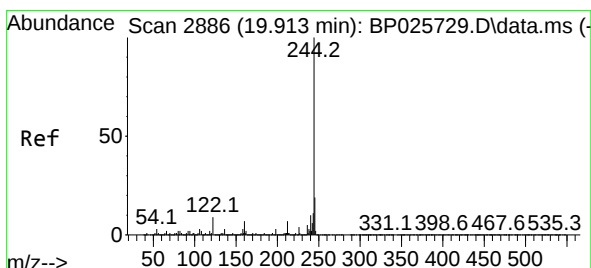
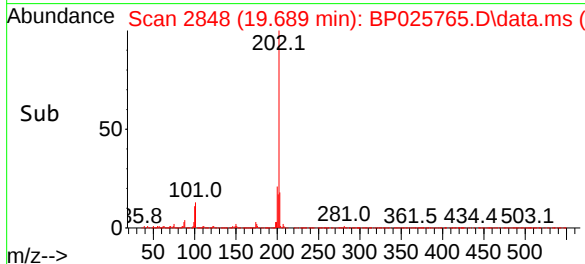
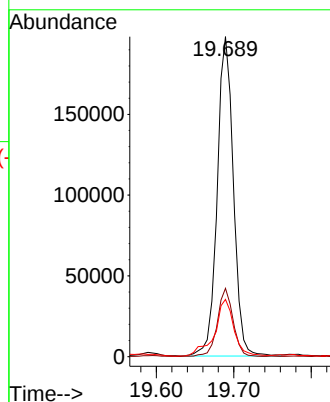
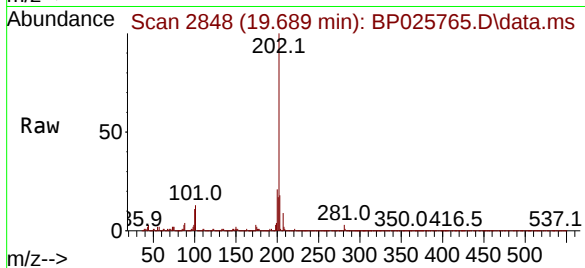
BNA_P

ClientSampleId :

SU-04-091525

Tgt Ion:202 Resp: 287292

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	17.9	13.9	20.9



#79

Terphenyl-d14

Concen: 7.386 ng

RT: 19.901 min Scan# 2884

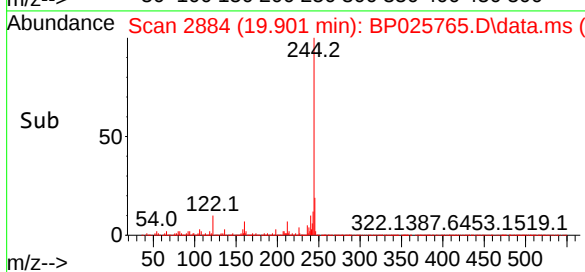
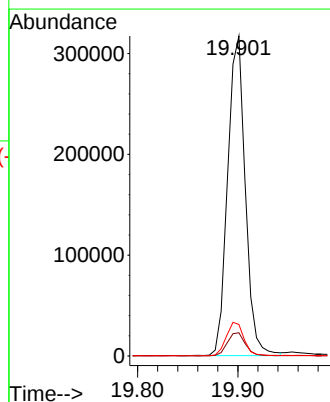
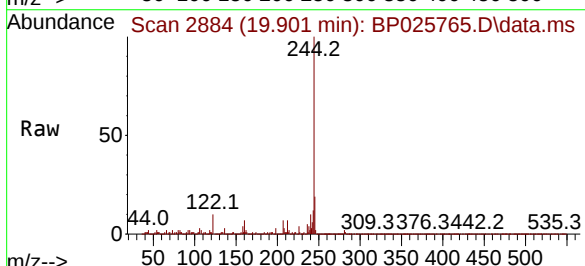
Delta R.T. -0.012 min

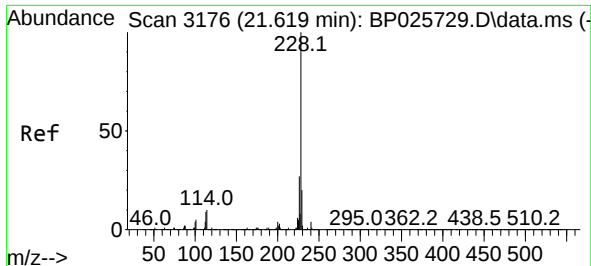
Lab File: BP025765.D

Acq: 16 Sep 2025 19:56

Tgt Ion:244 Resp: 386767

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	9.9	7.1	10.7

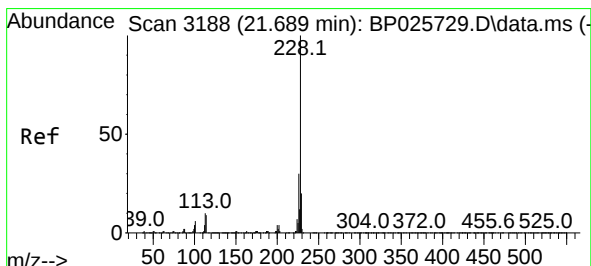
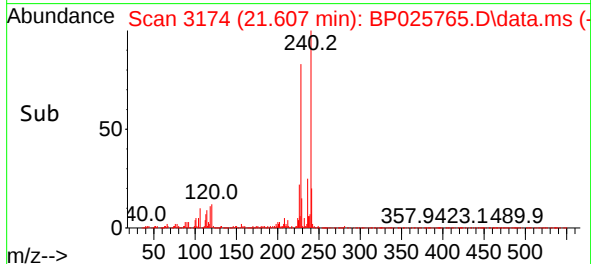
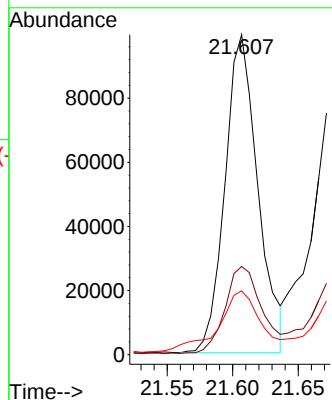
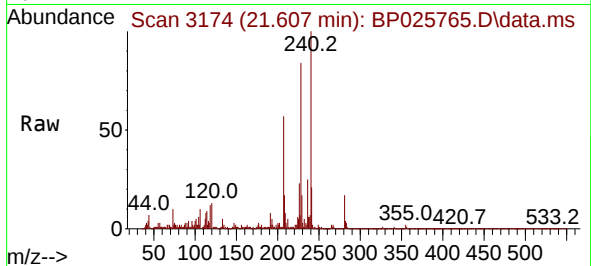




#81
Benzo(a)anthracene
Concen: 2.687 ng
RT: 21.607 min Scan# 3176
Delta R.T. -0.012 min
Lab File: BP025765.D
Acq: 16 Sep 2025 19:56

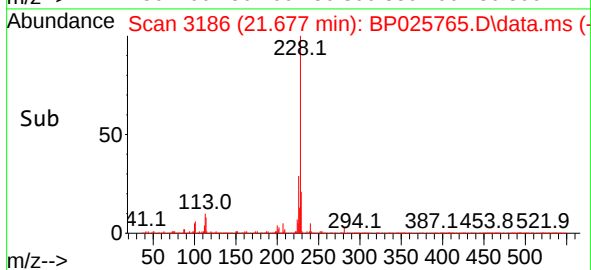
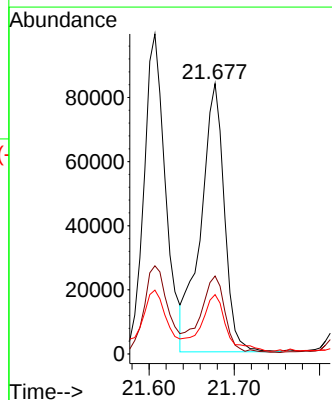
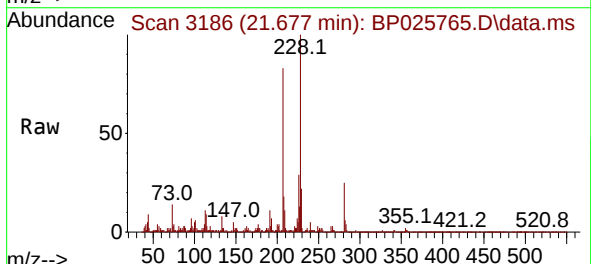
Instrument :
BNA_P
ClientSampleId :
SU-04-091525

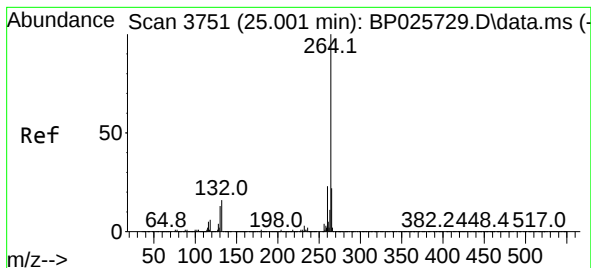
Tgt Ion:228 Resp: 173267
Ion Ratio Lower Upper
228 100
226 27.6 21.6 32.4
229 20.0 15.7 23.5



#83
Chrysene
Concen: 2.623 ng
RT: 21.677 min Scan# 3186
Delta R.T. -0.012 min
Lab File: BP025765.D
Acq: 16 Sep 2025 19:56

Tgt Ion:228 Resp: 161272
Ion Ratio Lower Upper
228 100
226 28.8 23.8 35.6
229 22.0 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.995 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025765.D

Acq: 16 Sep 2025 19:56

Instrument :

BNA_P

ClientSampleId :

SU-04-091525

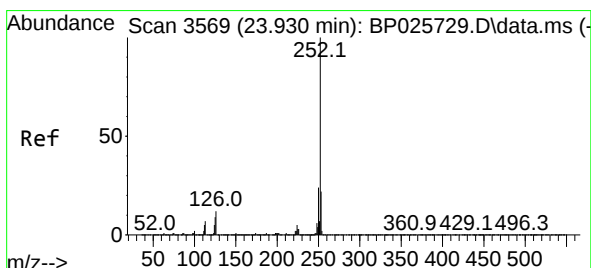
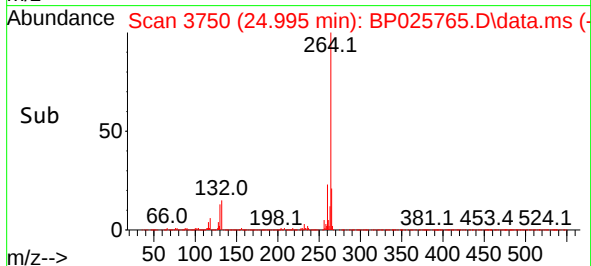
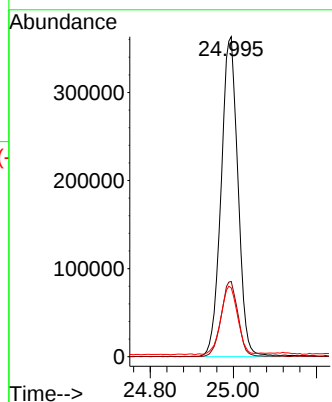
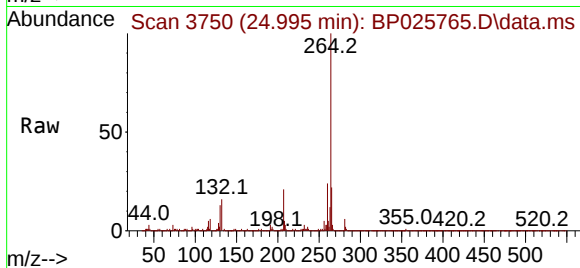
Tgt Ion:264 Resp: 1021629

Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

265 21.5 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 3.220 ng

RT: 23.918 min Scan# 3567

Delta R.T. -0.012 min

Lab File: BP025765.D

Acq: 16 Sep 2025 19:56

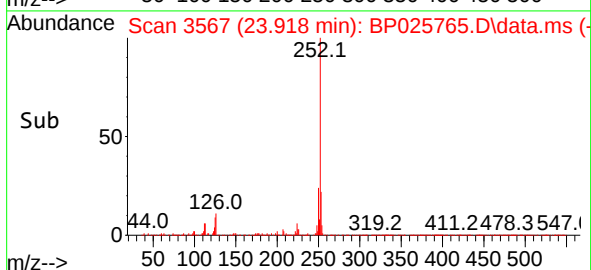
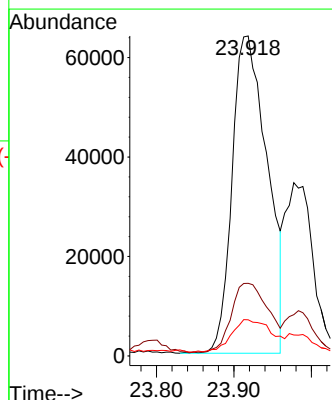
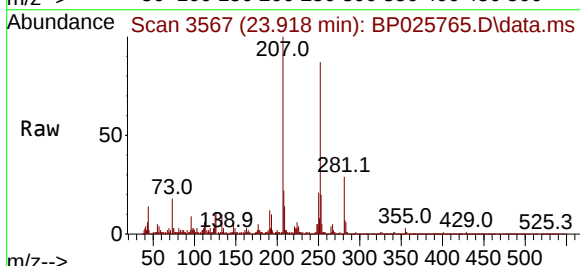
Tgt Ion:252 Resp: 201167

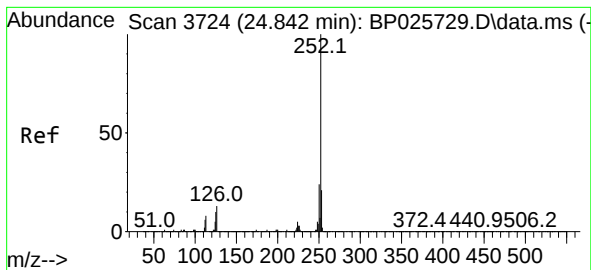
Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 11.3 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 2.570 ng

RT: 24.830 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025765.D

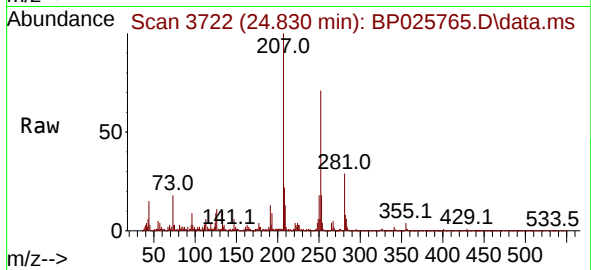
Acq: 16 Sep 2025 19:56

Instrument :

BNA_P

ClientSampleId :

SU-04-091525



Tgt Ion:252 Resp: 157228

Ion Ratio Lower Upper

252 100

253 25.0 17.2 25.8

125 12.2 8.3 12.5

