

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
 Data File : BP025355.D
 Acq On : 11 Aug 2025 19:34
 Operator : CG/JU
 Sample : Q2795-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-3

Quant Time: Aug 12 01:00:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

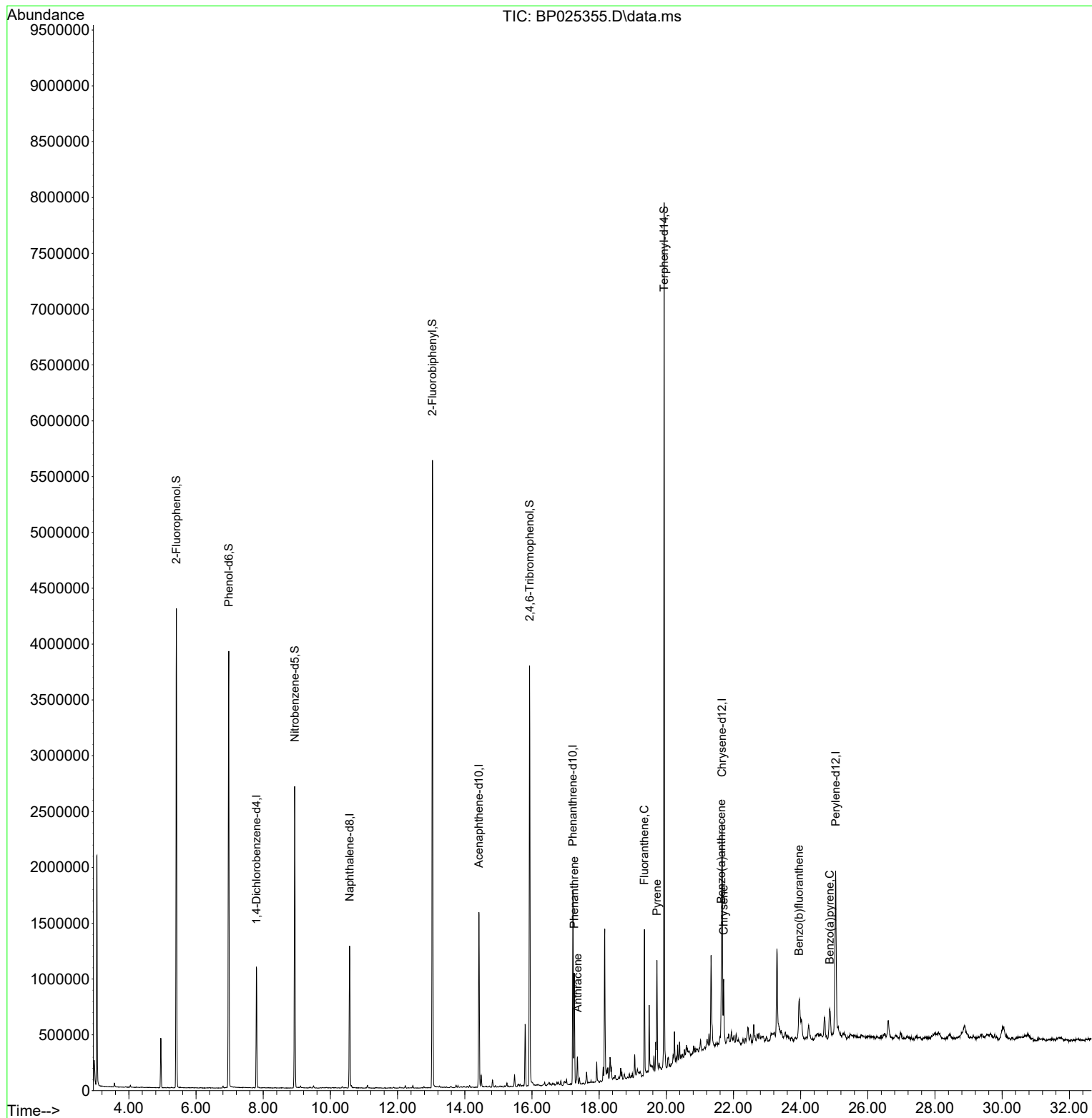
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	303985	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1143418	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	611493	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1041464	20.000	ng	0.00
76) Chrysene-d12	21.660	240	1178180	20.000	ng	0.00
86) Perylene-d12	25.042	264	1457049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	1896403	100.337	ng	0.00
7) Phenol-d6	6.972	99	2316559	93.131	ng	0.00
23) Nitrobenzene-d5	8.937	82	1488237	72.108	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	737406	120.879	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	3058240	69.078	ng	0.00
79) Terphenyl-d14	19.936	244	3577543	57.353	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.260	178	598428	10.491	ng	99
72) Anthracene	17.354	178	161588	2.809	ng	98
75) Fluoranthene	19.348	202	728181	11.027	ng	98
78) Pyrene	19.719	202	627430	8.008	ng	99
81) Benzo(a)anthracene	21.636	228	428175	5.469	ng	99
83) Chrysene	21.707	228	363828	5.010	ng	97
88) Benzo(b)fluoranthene	23.954	252	458073	5.252	ng	98
90) Benzo(a)pyrene	24.865	252	342325	4.075	ng	96

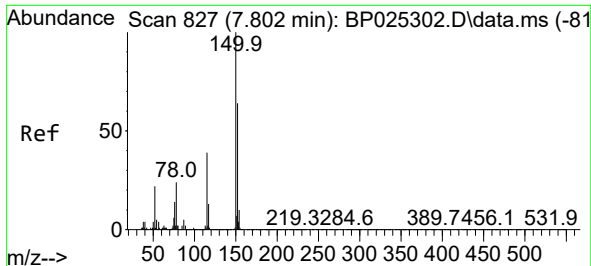
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081125\
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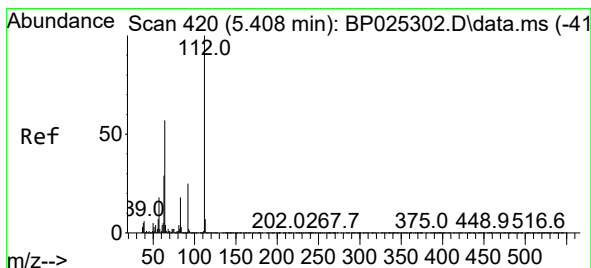
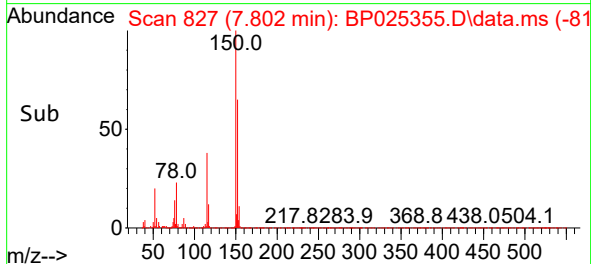
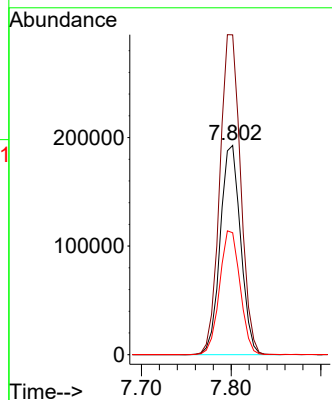
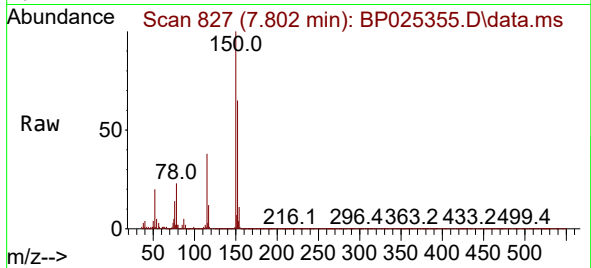




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025355.D
Acq: 11 Aug 2025 19:34

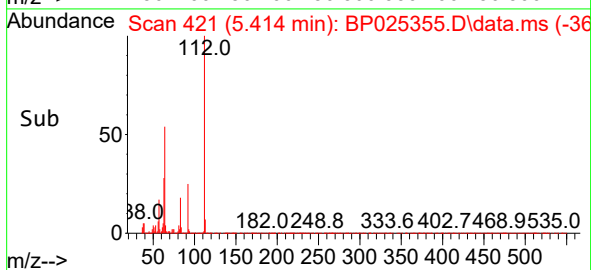
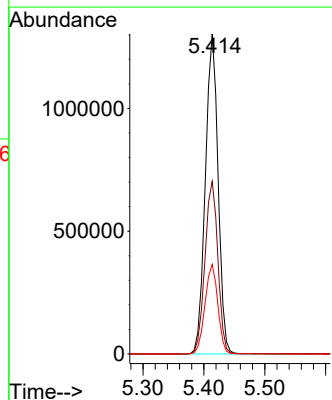
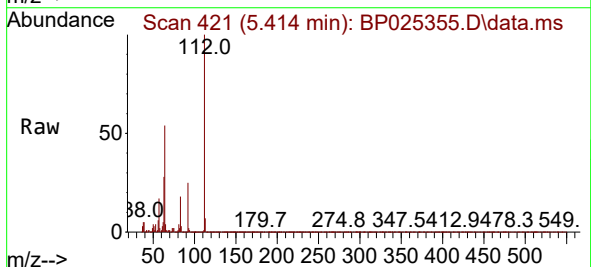
Instrument :
BNA_P
ClientSampleId :
COMP-3

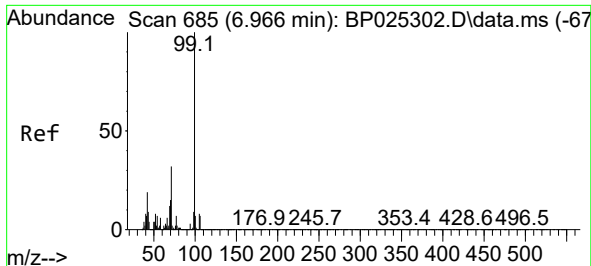
Tgt Ion:152 Resp: 303985
Ion Ratio Lower Upper
152 100
150 152.8 125.1 187.7
115 58.3 48.4 72.6



#5
2-Fluorophenol
Concen: 100.337 ng
RT: 5.414 min Scan# 421
Delta R.T. 0.006 min
Lab File: BP025355.D
Acq: 11 Aug 2025 19:34

Tgt Ion:112 Resp: 1896403
Ion Ratio Lower Upper
112 100
64 53.9 45.3 67.9
63 28.0 23.0 34.6





#7

Phenol-d6

Concen: 93.131 ng

RT: 6.972 min Scan# 685

Delta R.T. 0.006 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

Instrument :

BNA_P

ClientSampleId :

COMP-3

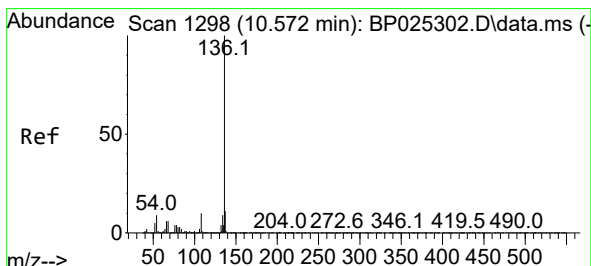
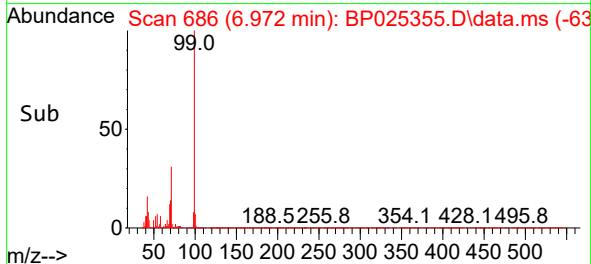
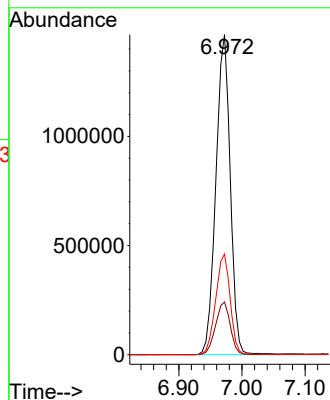
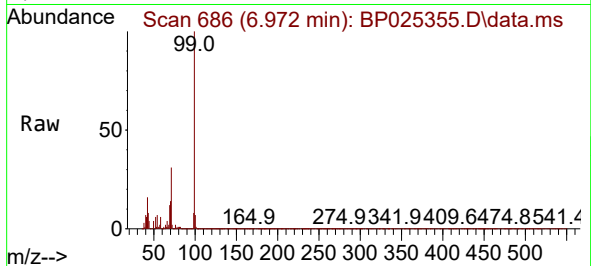
Tgt Ion: 99 Resp: 2316559

Ion Ratio Lower Upper

99 100

42 16.4 15.0 22.6

71 31.5 25.5 38.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.572 min Scan# 1298

Delta R.T. 0.000 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

Tgt Ion:136 Resp: 1143418

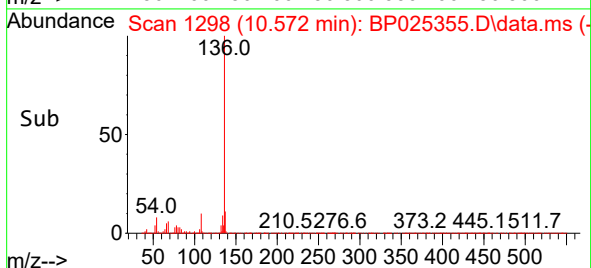
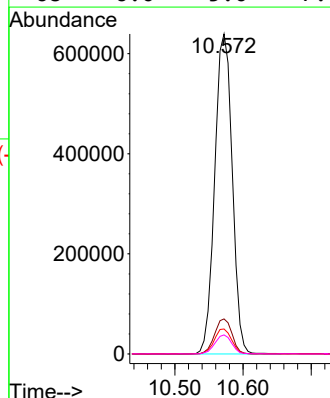
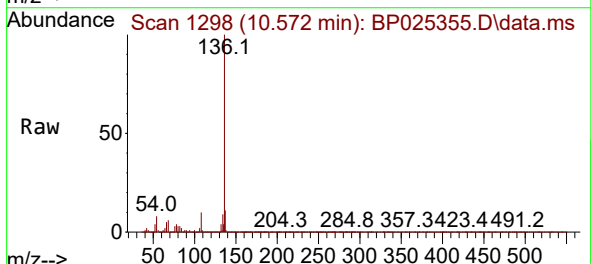
Ion Ratio Lower Upper

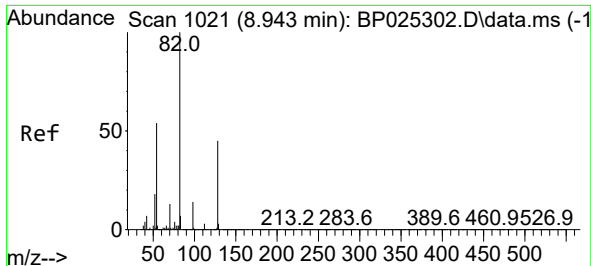
136 100

137 11.0 8.9 13.3

54 7.8 7.0 10.6

68 6.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 72.108 ng

RT: 8.937 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

Instrument :

BNA_P

ClientSampleId :

COMP-3

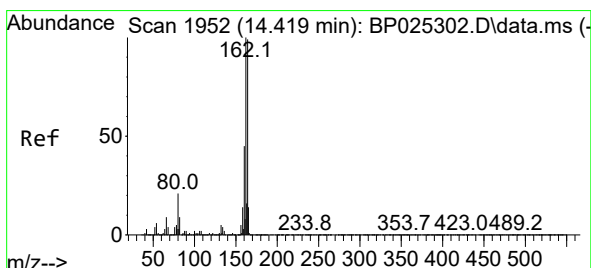
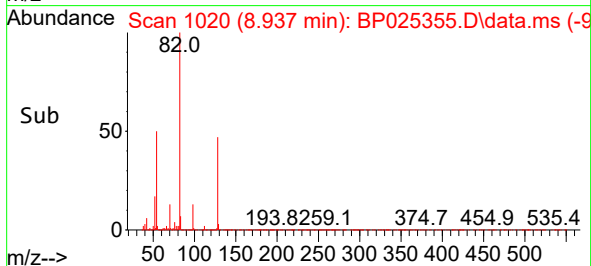
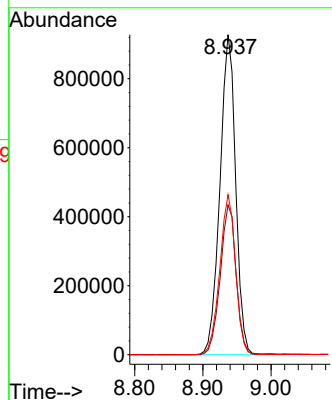
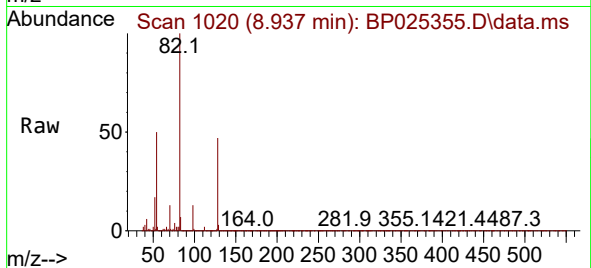
Tgt Ion: 82 Resp: 1488237

Ion Ratio Lower Upper

82 100

128 46.8 35.4 53.2

54 50.0 42.9 64.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.419 min Scan# 1952

Delta R.T. -0.000 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

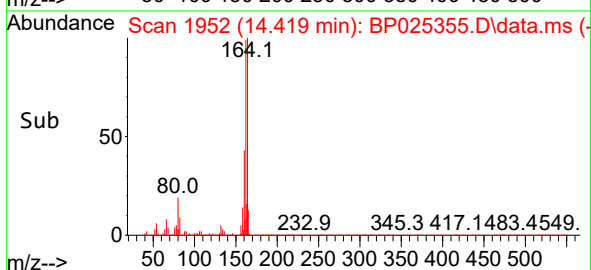
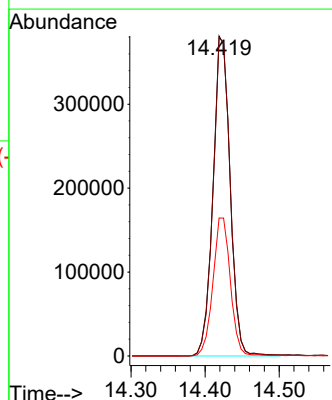
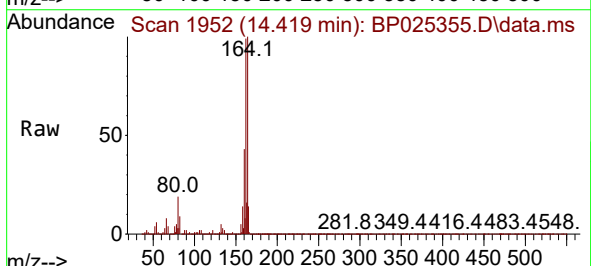
Tgt Ion:164 Resp: 611493

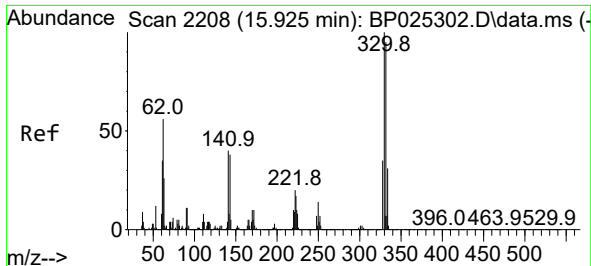
Ion Ratio Lower Upper

164 100

162 99.5 80.6 120.8

160 43.1 35.9 53.9

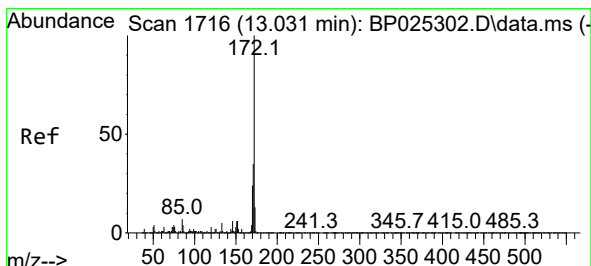
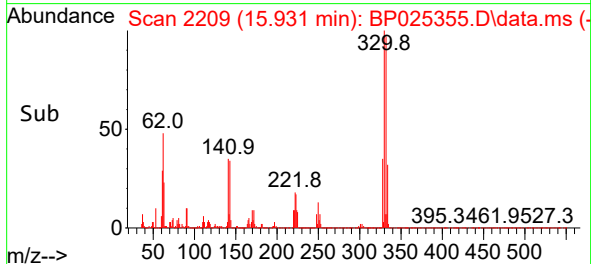
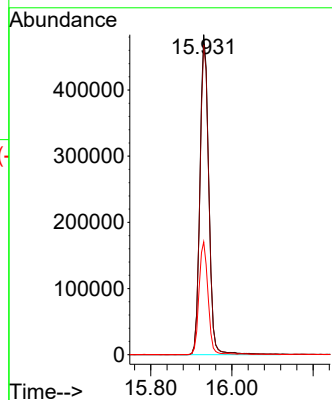
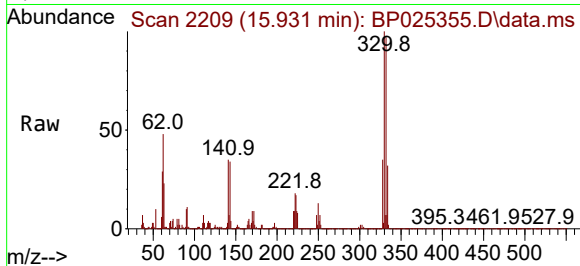




#42
2,4,6-Tribromophenol
Concen: 120.879 ng
RT: 15.931 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025355.D
Acq: 11 Aug 2025 19:34

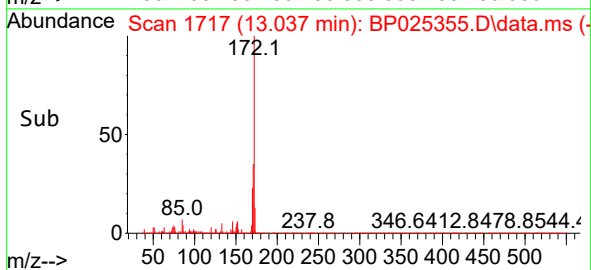
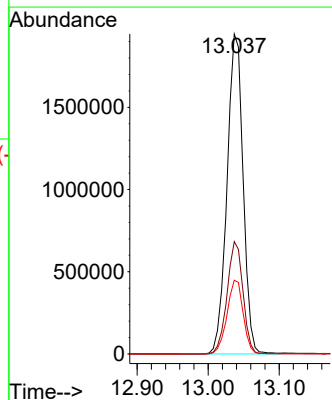
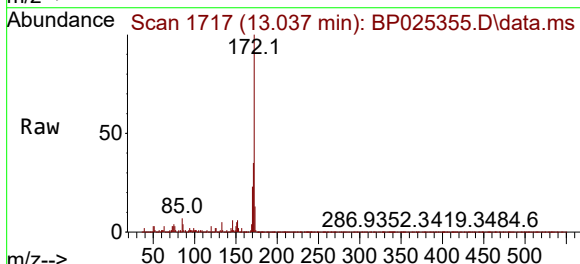
Instrument :
BNA_P
ClientSampleId :
COMP-3

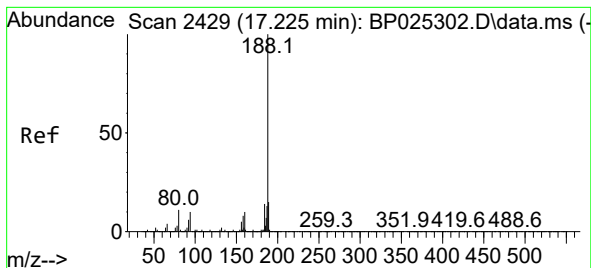
Tgt Ion:330 Resp: 737406
Ion Ratio Lower Upper
330 100
332 97.6 77.4 116.0
141 35.7 31.7 47.5



#45
2-Fluorobiphenyl
Concen: 69.078 ng
RT: 13.037 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BP025355.D
Acq: 11 Aug 2025 19:34

Tgt Ion:172 Resp: 3058240
Ion Ratio Lower Upper
172 100
171 35.1 27.9 41.9
170 23.1 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.219 min Scan# 2428

Delta R.T. -0.006 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

Instrument :

BNA_P

ClientSampleId :

COMP-3

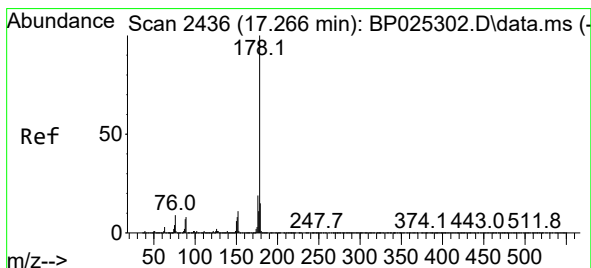
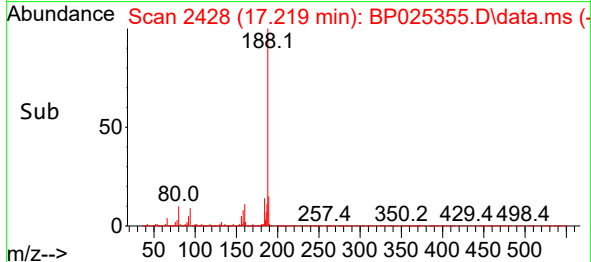
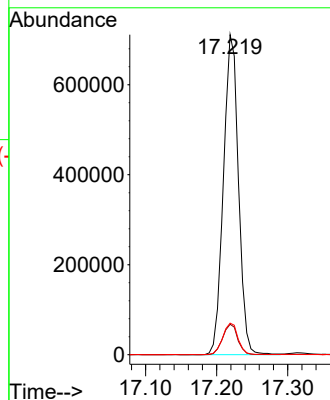
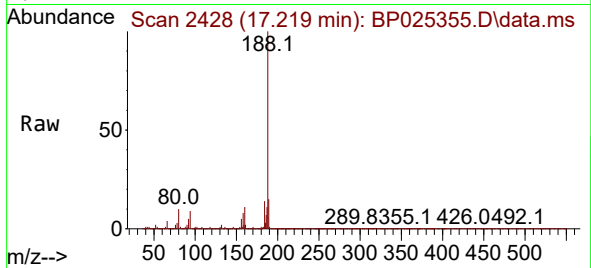
Tgt Ion:188 Resp: 1041464

Ion Ratio Lower Upper

188 100

94 9.5 8.0 12.0

80 9.8 8.5 12.7



#71

Phenanthrene

Concen: 10.491 ng

RT: 17.260 min Scan# 2435

Delta R.T. -0.006 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

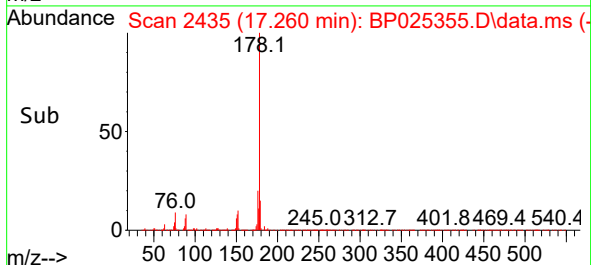
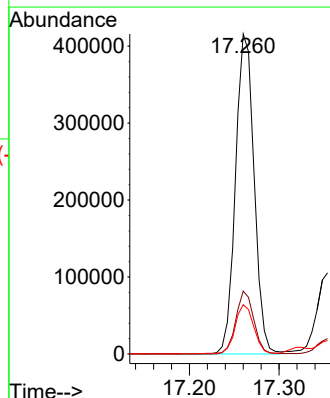
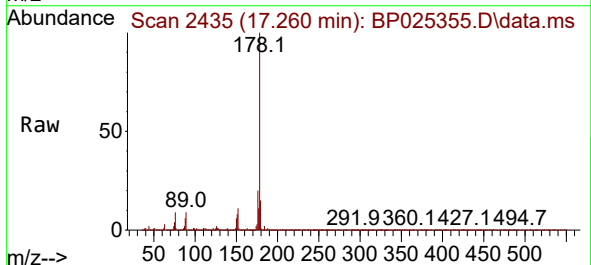
Tgt Ion:178 Resp: 598428

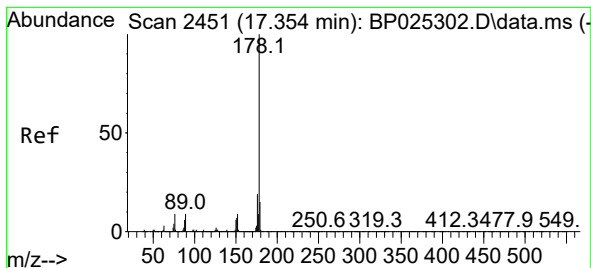
Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

179 15.4 12.1 18.1





#72

Anthracene

Concen: 2.809 ng

RT: 17.354 min Scan# 2451

Delta R.T. 0.000 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

Instrument :

BNA_P

ClientSampleId :

COMP-3

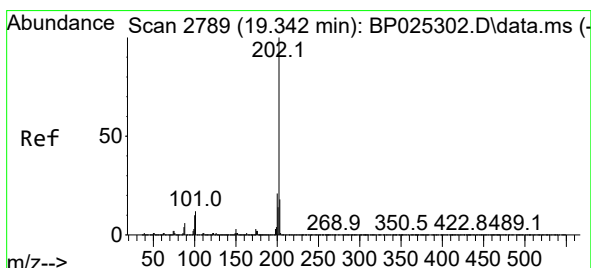
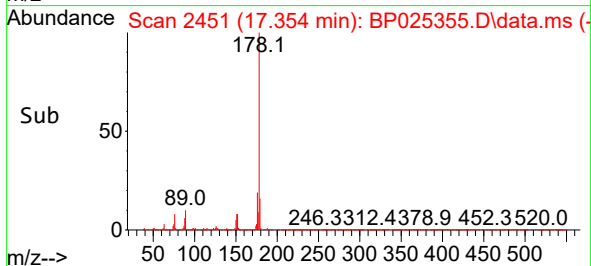
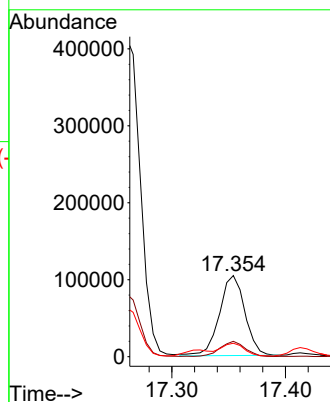
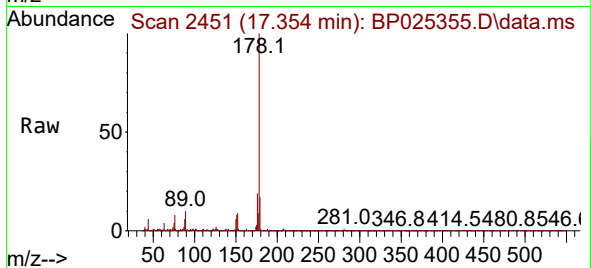
Tgt Ion:178 Resp: 161588

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

179 16.5 12.3 18.5



#75

Fluoranthene

Concen: 11.027 ng

RT: 19.348 min Scan# 2790

Delta R.T. 0.006 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

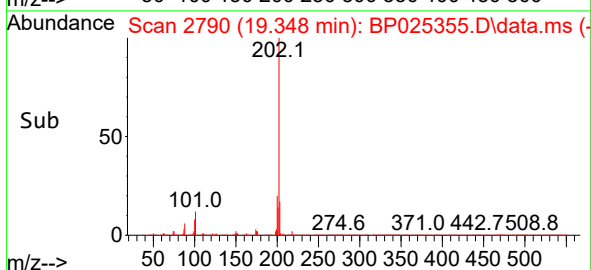
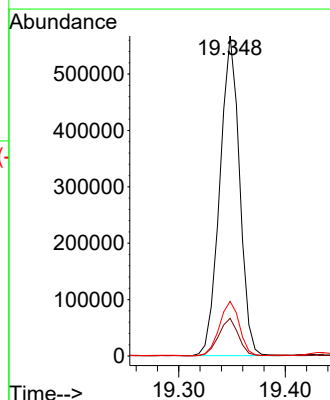
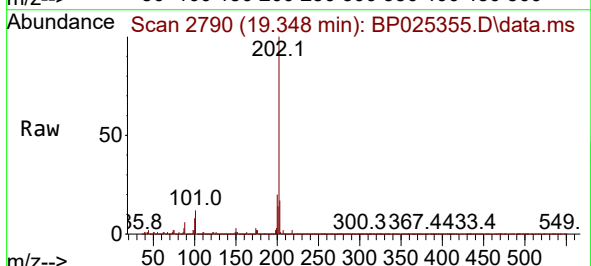
Tgt Ion:202 Resp: 728181

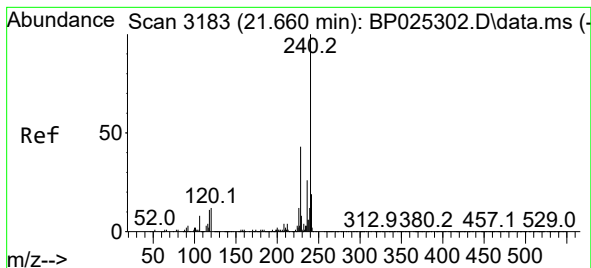
Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.5

203 17.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.660 min Scan# 3183

Delta R.T. -0.000 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

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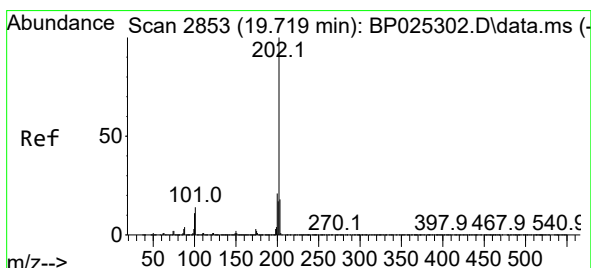
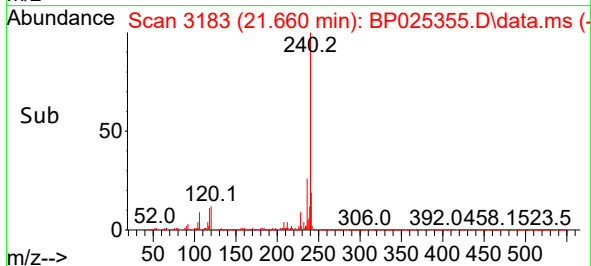
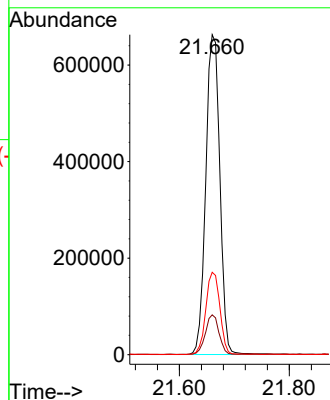
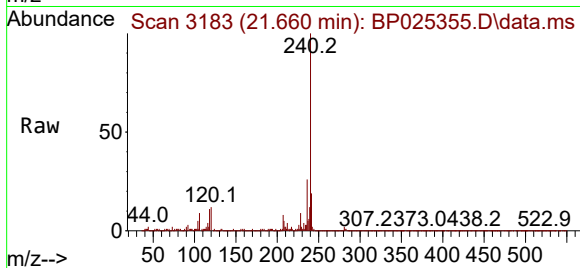
Tgt Ion:240 Resp: 1178180

Ion Ratio Lower Upper

240 100

120 12.5 9.6 14.4

236 25.7 20.4 30.6



#78

Pyrene

Concen: 8.008 ng

RT: 19.719 min Scan# 2853

Delta R.T. -0.000 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

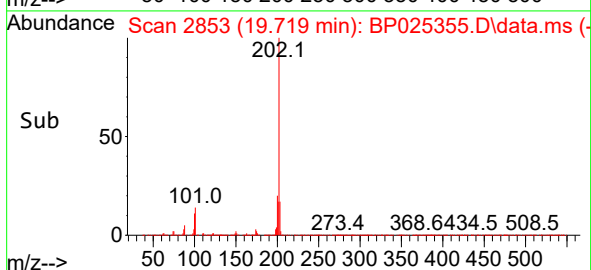
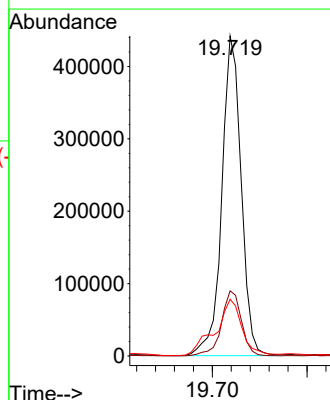
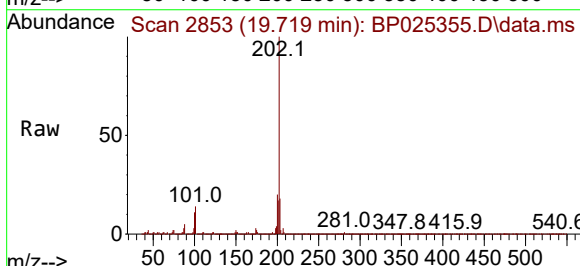
Tgt Ion:202 Resp: 627430

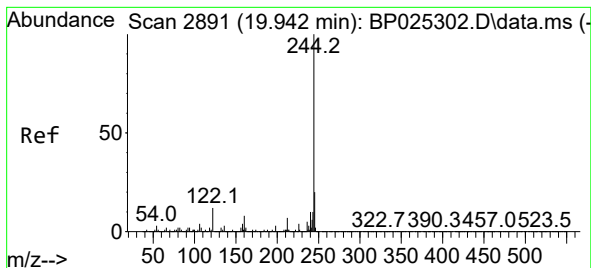
Ion Ratio Lower Upper

202 100

200 20.4 16.7 25.1

203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 57.353 ng

RT: 19.936 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

Instrument :

BNA_P

ClientSampleId :

COMP-3

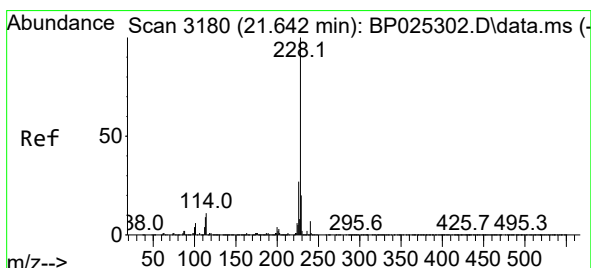
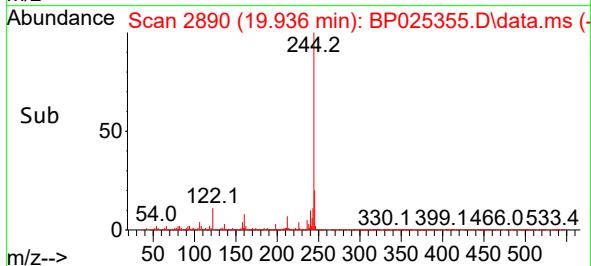
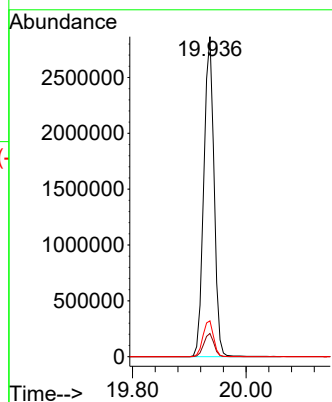
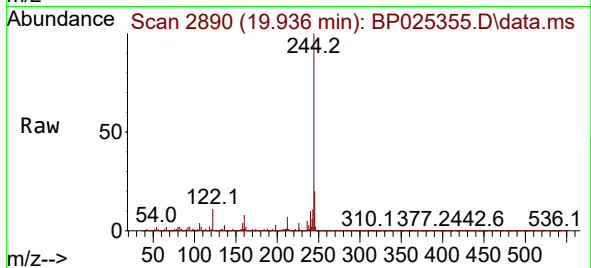
Tgt Ion:244 Resp: 3577543

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 11.2 9.5 14.3



#81

Benzo(a)anthracene

Concen: 5.469 ng

RT: 21.636 min Scan# 3179

Delta R.T. -0.006 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

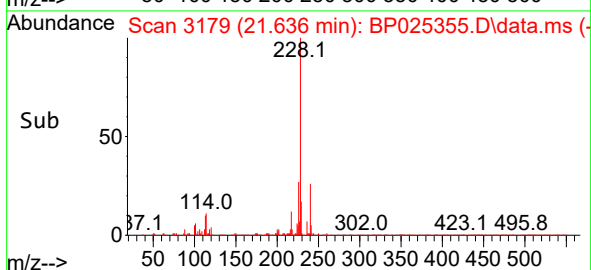
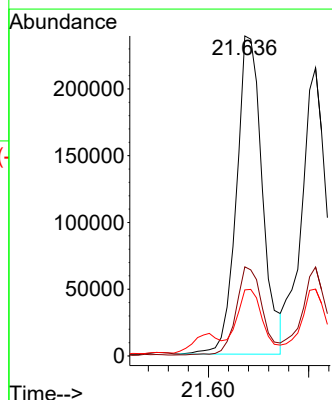
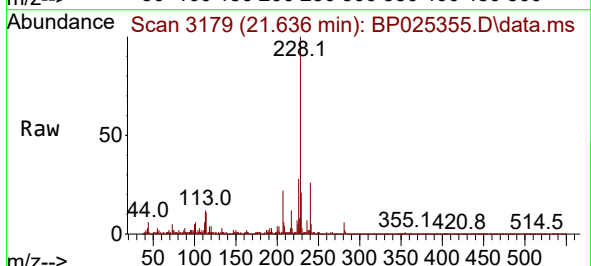
Tgt Ion:228 Resp: 428175

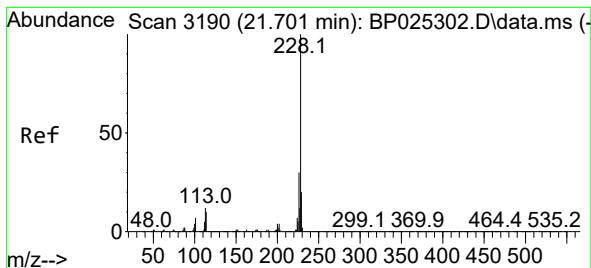
Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.8

229 20.7 16.0 24.0





#83

Chrysene

Concen: 5.010 ng

RT: 21.707 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

Instrument :

BNA_P

ClientSampleId :

COMP-3

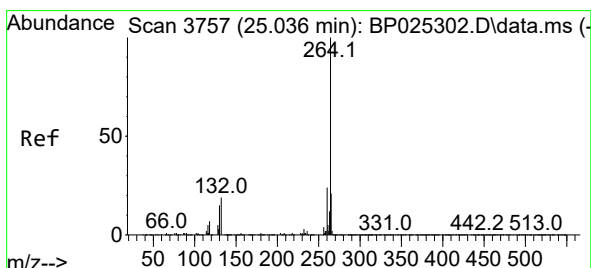
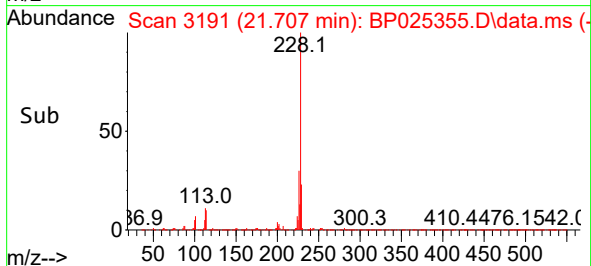
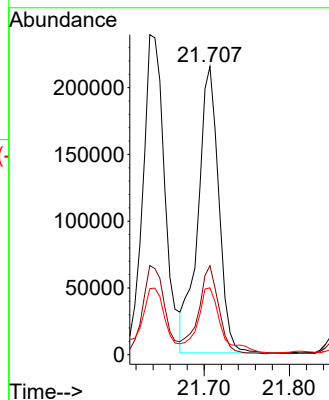
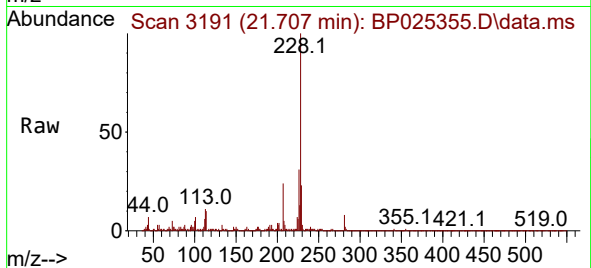
Tgt Ion:228 Resp: 363828

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 23.2 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.042 min Scan# 3758

Delta R.T. 0.006 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

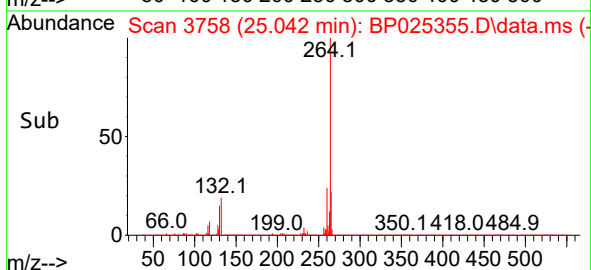
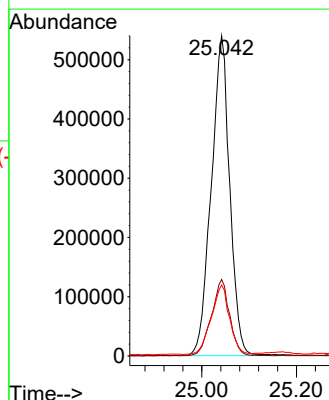
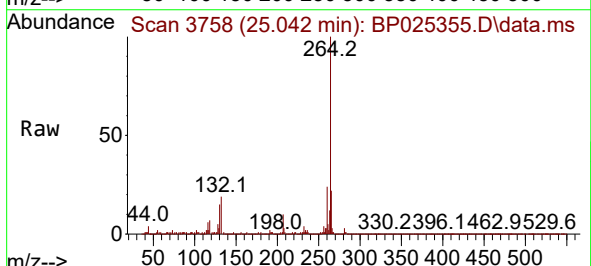
Tgt Ion:264 Resp: 1457049

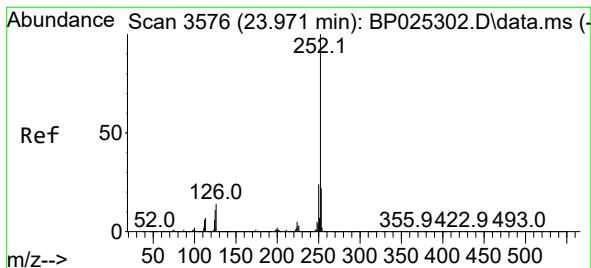
Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.2 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 5.252 ng

RT: 23.954 min Scan# 3

Delta R.T. -0.017 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

Instrument :

BNA_P

ClientSampleId :

COMP-3

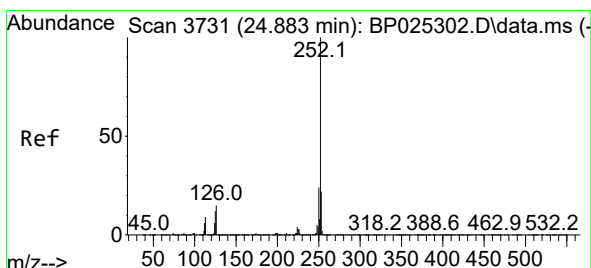
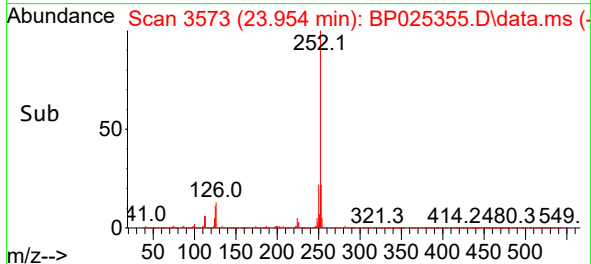
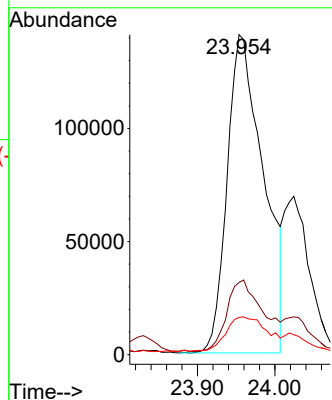
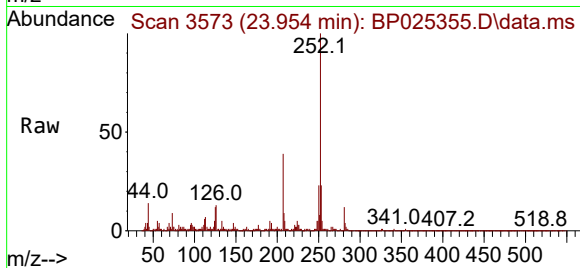
Tgt Ion:252 Resp: 458073

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 11.7 8.5 12.7



#90

Benzo(a)pyrene

Concen: 4.075 ng

RT: 24.865 min Scan# 3728

Delta R.T. -0.018 min

Lab File: BP025355.D

Acq: 11 Aug 2025 19:34

Tgt Ion:252 Resp: 342325

Ion Ratio Lower Upper

252 100

253 24.1 17.6 26.4

125 13.0 9.4 14.0

