

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081925\
 Data File : BP025497.D
 Acq On : 20 Aug 2025 06:35
 Operator : CG/JU
 Sample : Q2872-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DRILL CUTTING 1-2 COMP

Quant Time: Aug 20 07:17:56 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)

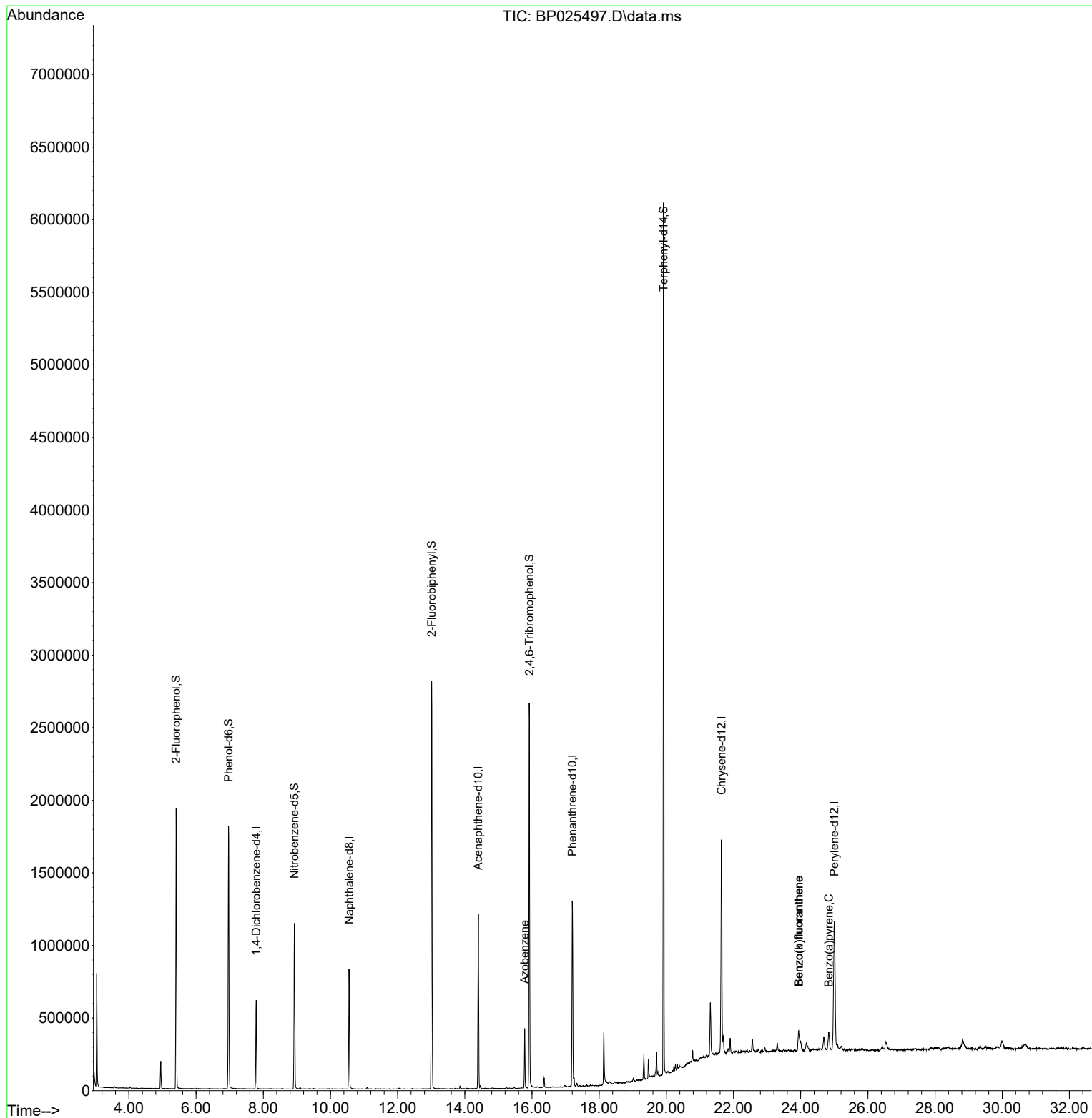
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.790	152	160424	20.000	ng	0.00
21) Naphthalene-d8	10.554	136	620049	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	429562	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	909388	20.000	ng	0.00
76) Chrysene-d12	21.642	240	995818	20.000	ng	0.00
86) Perylene-d12	25.000	264	1085580	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	806577	83.496	ng	0.00
7) Phenol-d6	6.966	99	1033914	83.481	ng	0.00
23) Nitrobenzene-d5	8.925	82	668686	54.553	ng	-0.01
42) 2,4,6-Tribromophenol	15.924	330	513922	88.884	ng	0.01
45) 2-Fluorobiphenyl	13.013	172	1630475	51.875	ng	0.00
79) Terphenyl-d14	19.918	244	2842663	52.227	ng	0.00
Target Compounds						
63) Azobenzene	15.783	77	107729	3.936	ng	Qvalue # 1
88) Benzo(b)fluoranthene	23.942	252	165167	2.580	ng	94
89) Benzo(k)fluoranthene	23.942	252	165167	2.578	ng	# 93
90) Benzo(a)pyrene	24.836	252	136591	2.192	ng	95

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

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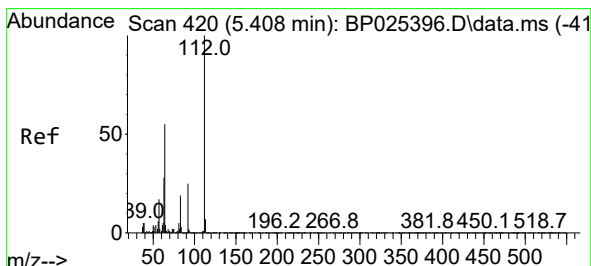
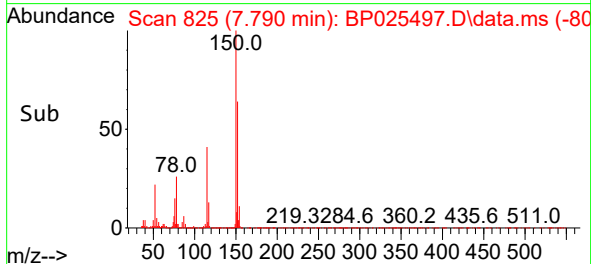
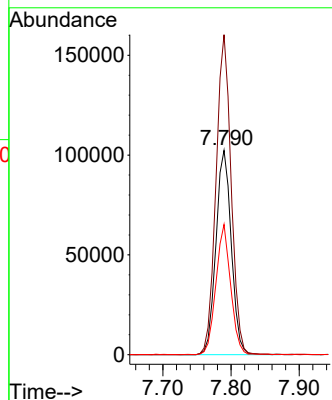
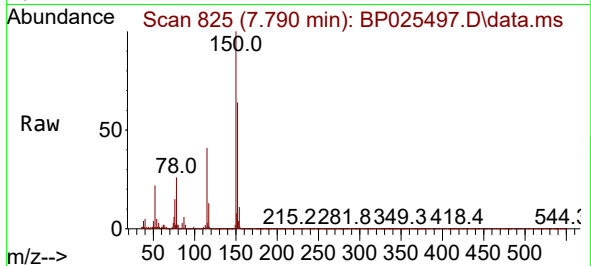




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.790 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025497.D
Acq: 20 Aug 2025 06:35

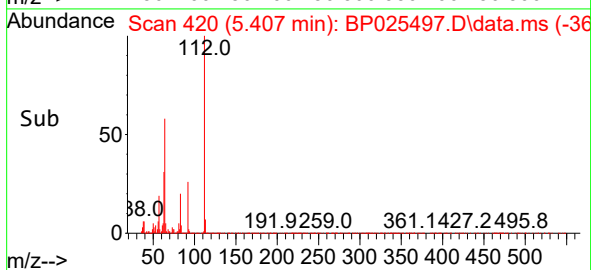
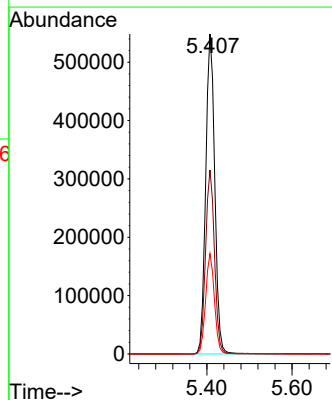
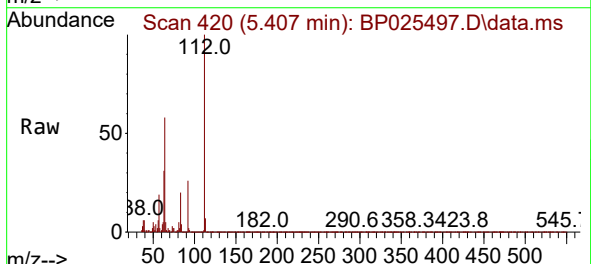
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-2 COMP

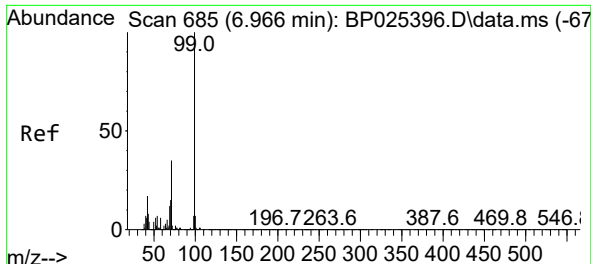
Tgt Ion:152 Resp: 160424
Ion Ratio Lower Upper
152 100
150 156.6 125.9 188.9
115 63.7 48.5 72.7



#5
2-Fluorophenol
Concen: 83.496 ng
RT: 5.407 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025497.D
Acq: 20 Aug 2025 06:35

Tgt Ion:112 Resp: 806577
Ion Ratio Lower Upper
112 100
64 57.5 43.8 65.8
63 31.3 22.7 34.1

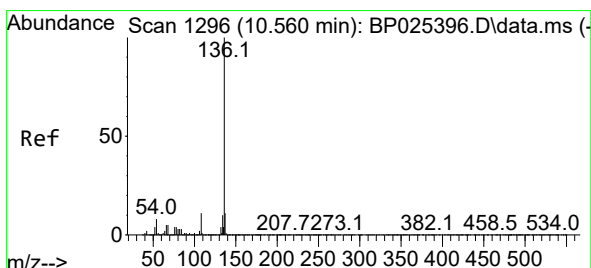
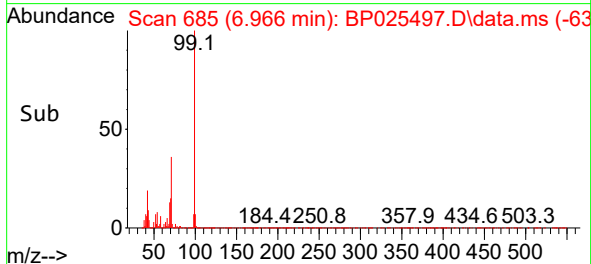
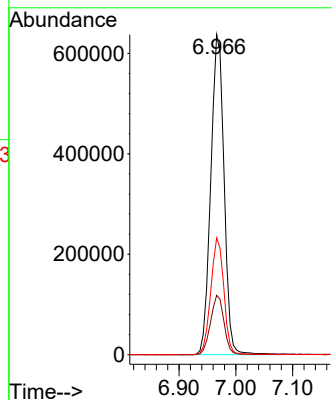
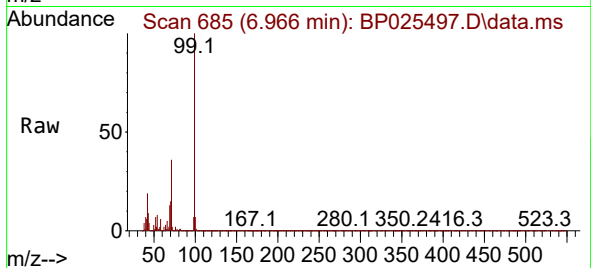




#7
Phenol-d6
Concen: 83.481 ng
RT: 6.966 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP025497.D
Acq: 20 Aug 2025 06:35

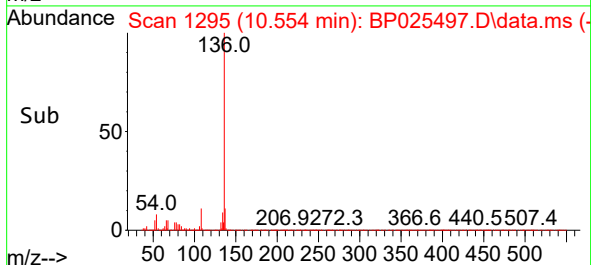
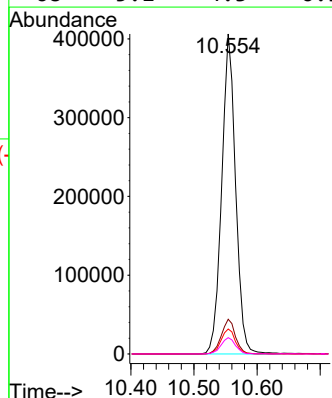
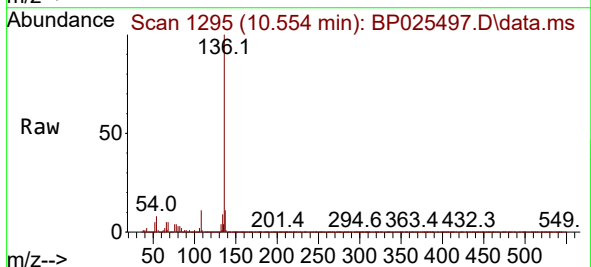
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-2 COMP

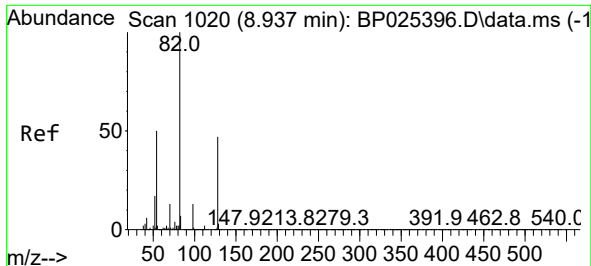
Tgt Ion: 99 Resp: 1033914
Ion Ratio Lower Upper
99 100
42 18.6 13.7 20.5
71 36.5 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025497.D
Acq: 20 Aug 2025 06:35

Tgt Ion:136 Resp: 620049
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.8 6.0 9.0
68 5.1 4.3 6.5

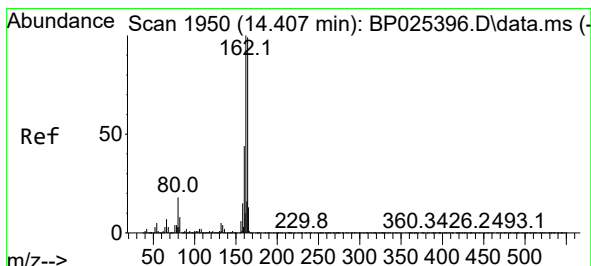
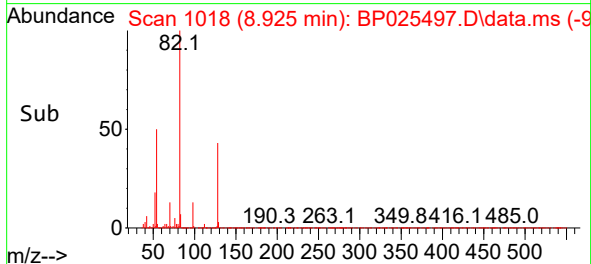
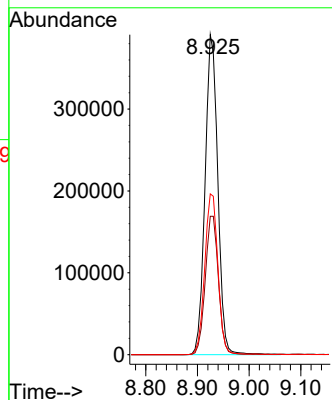
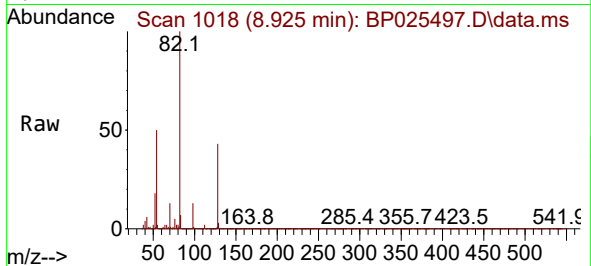




#23
Nitrobenzene-d5
Concen: 54.553 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025497.D
Acq: 20 Aug 2025 06:35

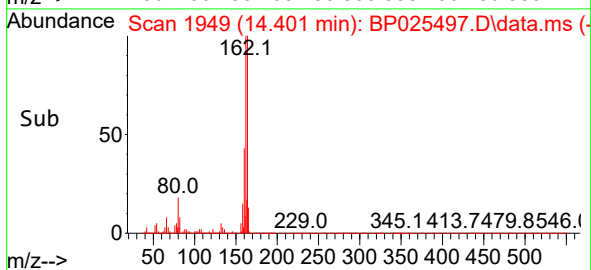
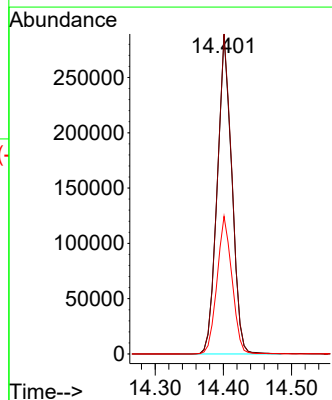
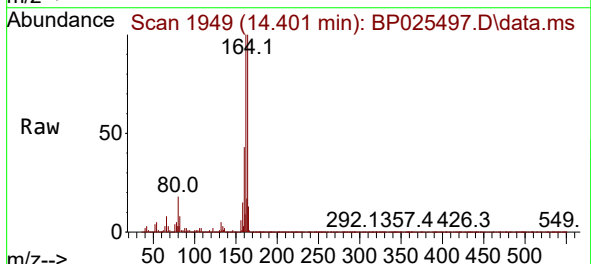
Instrument :
BNA_P
ClientSampleId :
DRILL CUTTING 1-2 COMP

Tgt Ion: 82 Resp: 668686
Ion Ratio Lower Upper
82 100
128 43.2 37.7 56.5
54 50.2 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: BP025497.D
Acq: 20 Aug 2025 06:35

Tgt Ion:164 Resp: 429562
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.6
160 43.2 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 88.884 ng

RT: 15.924 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025497.D

Acq: 20 Aug 2025 06:35

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-2 COMP

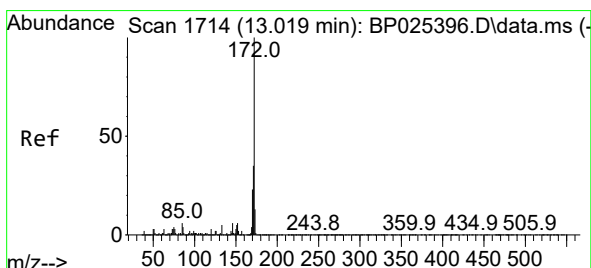
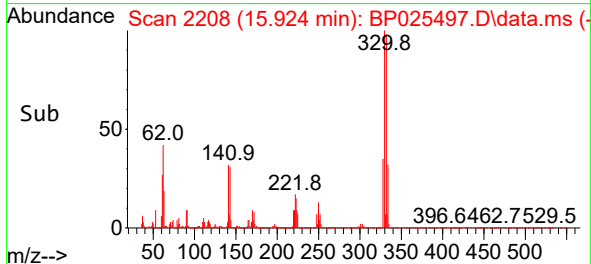
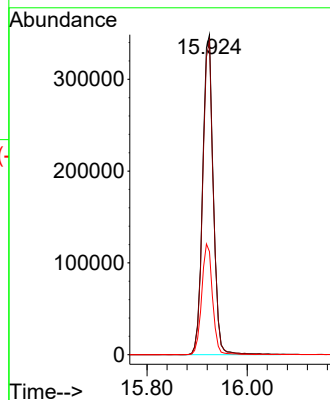
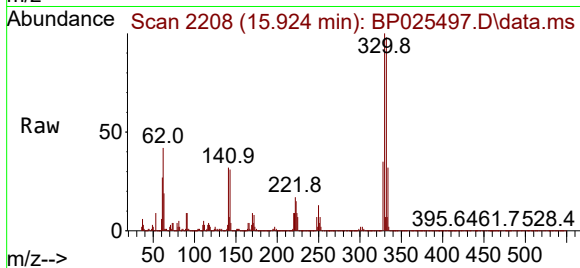
Tgt Ion:330 Resp: 513922

Ion Ratio Lower Upper

330 100

332 97.6 77.3 115.9

141 35.0 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 51.875 ng

RT: 13.013 min Scan# 1713

Delta R.T. -0.006 min

Lab File: BP025497.D

Acq: 20 Aug 2025 06:35

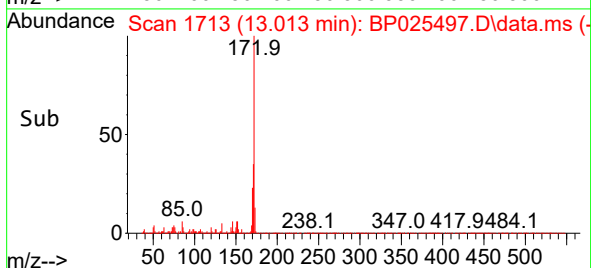
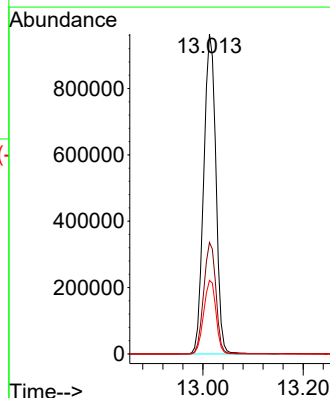
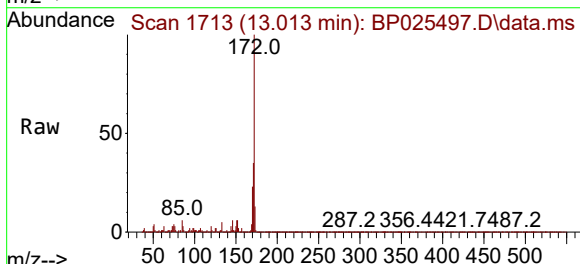
Tgt Ion:172 Resp: 1630475

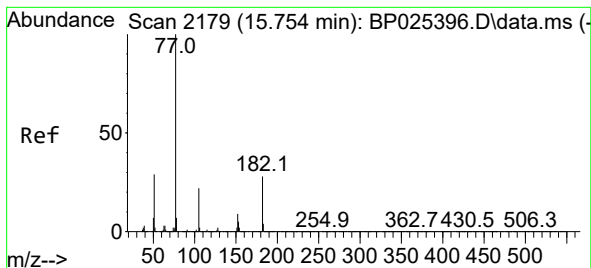
Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

170 23.0 18.6 28.0





#63

Azobenzene

Concen: 3.936 ng

RT: 15.783 min Scan# 2179

Delta R.T. 0.029 min

Lab File: BP025497.D

Acq: 20 Aug 2025 06:35

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-2 COMP

Tgt Ion: 77 Resp: 107729

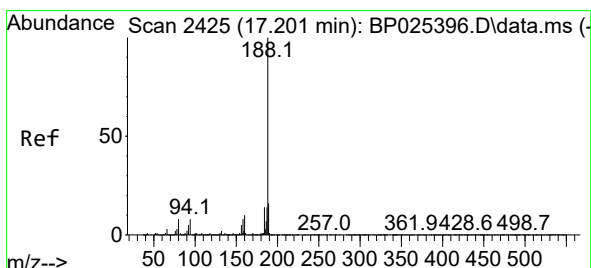
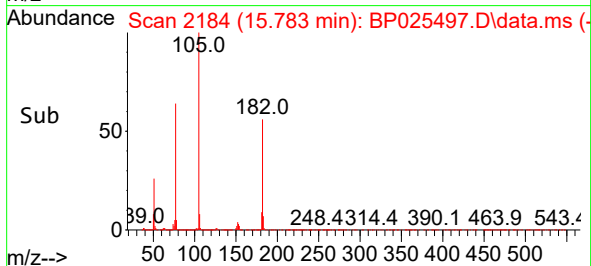
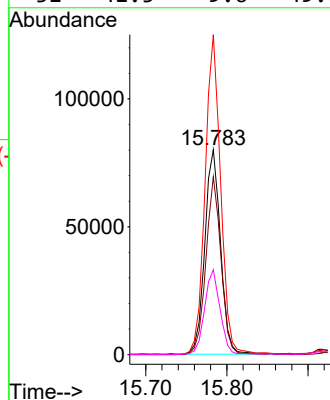
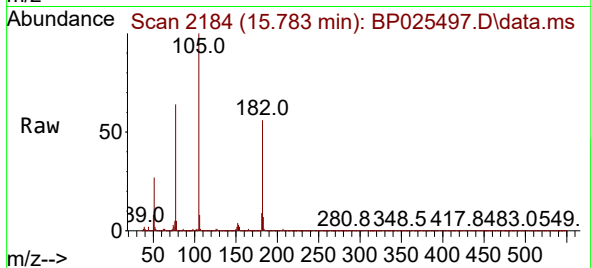
Ion Ratio Lower Upper

77 100

182 86.8 7.5 47.5#

105 156.2 2.1 42.1#

51 41.5 9.6 49.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.201 min Scan# 2425

Delta R.T. -0.000 min

Lab File: BP025497.D

Acq: 20 Aug 2025 06:35

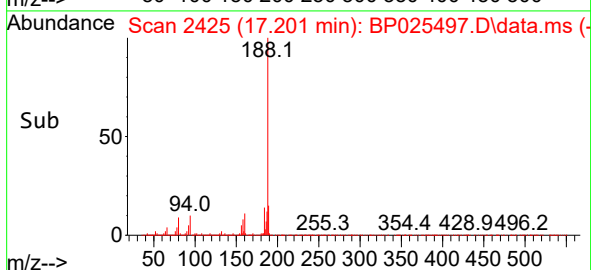
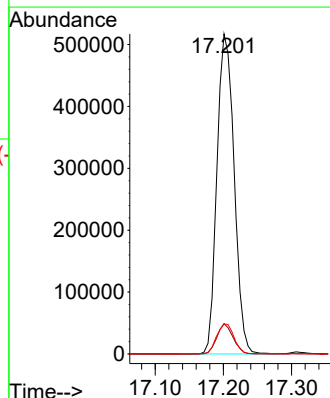
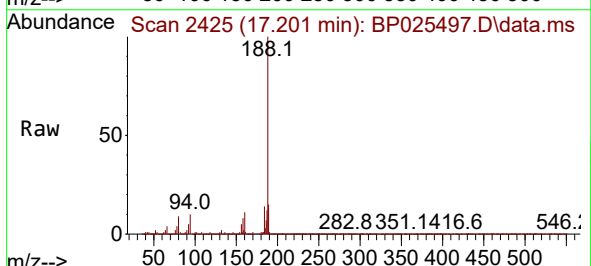
Tgt Ion: 188 Resp: 909388

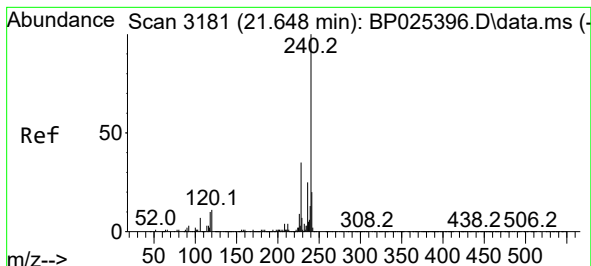
Ion Ratio Lower Upper

188 100

94 9.5 6.6 10.0

80 9.3 6.7 10.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 3181

Delta R.T. -0.006 min

Lab File: BP025497.D

Acq: 20 Aug 2025 06:35

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-2 COMP

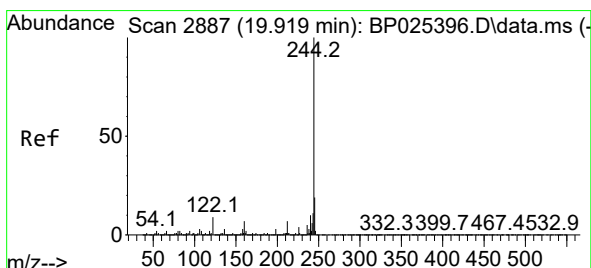
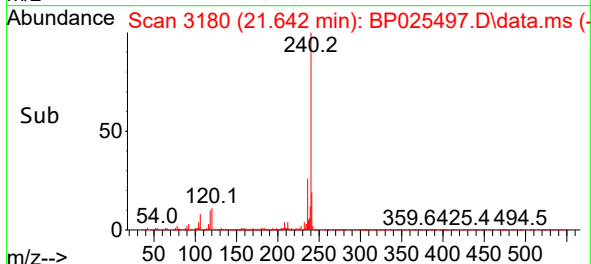
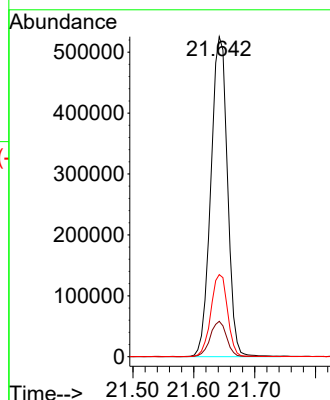
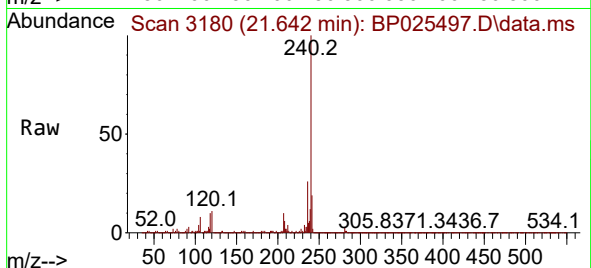
Tgt Ion:240 Resp: 995818

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

236 25.7 19.8 29.8



#79

Terphenyl-d14

Concen: 52.227 ng

RT: 19.918 min Scan# 2887

Delta R.T. -0.000 min

Lab File: BP025497.D

Acq: 20 Aug 2025 06:35

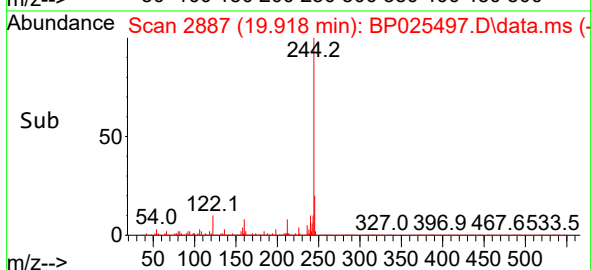
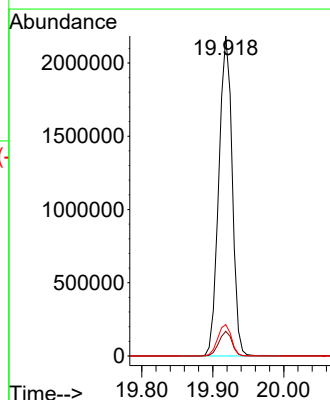
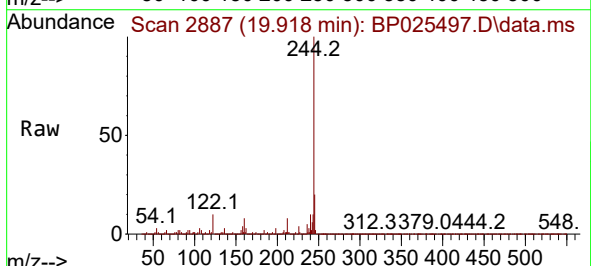
Tgt Ion:244 Resp: 2842663

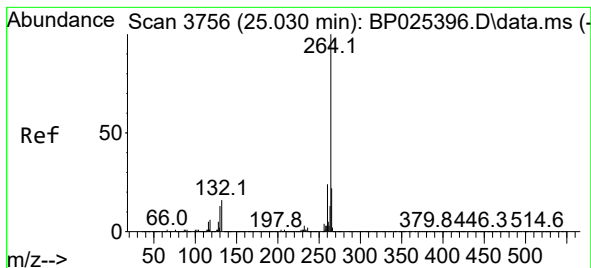
Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

122 9.8 7.4 11.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.000 min Scan# 31

Delta R.T. -0.030 min

Lab File: BP025497.D

Acq: 20 Aug 2025 06:35

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-2 COMP

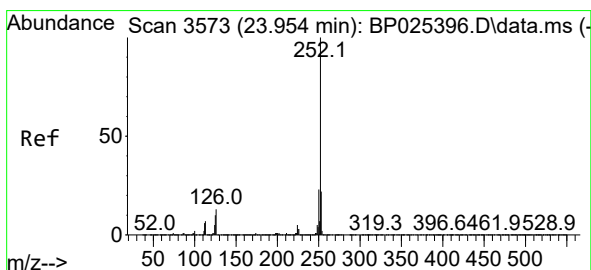
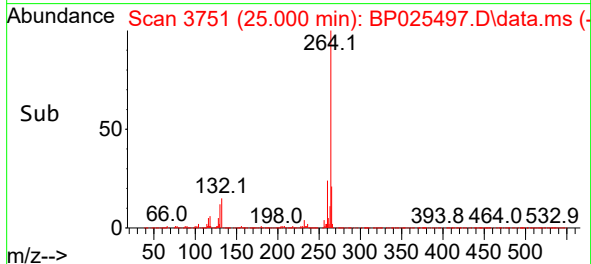
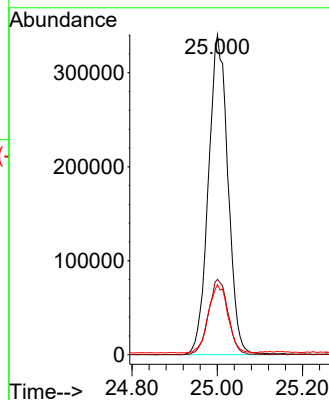
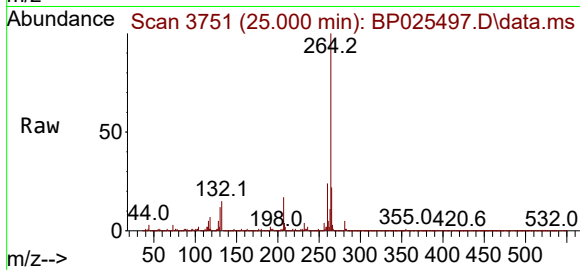
Tgt Ion:264 Resp: 1085580

Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 21.9 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.580 ng

RT: 23.942 min Scan# 3571

Delta R.T. -0.012 min

Lab File: BP025497.D

Acq: 20 Aug 2025 06:35

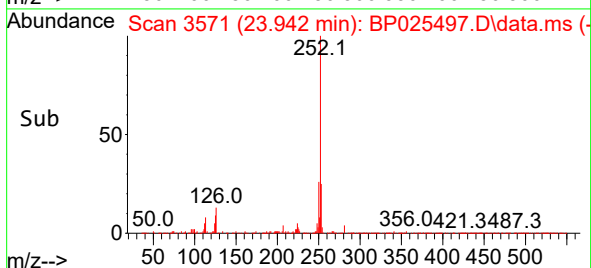
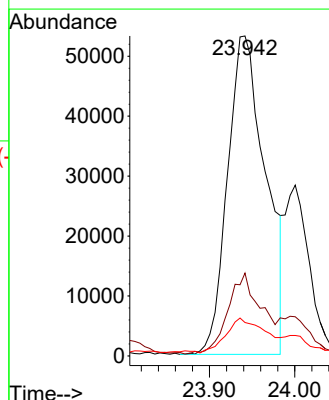
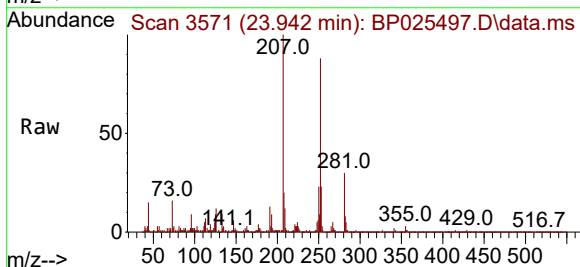
Tgt Ion:252 Resp: 165167

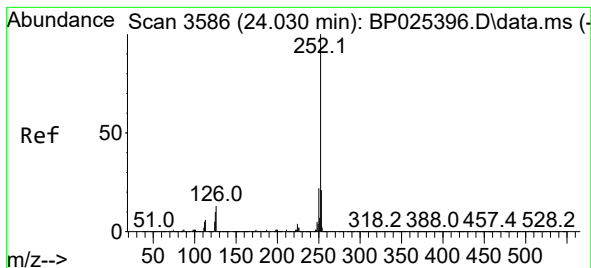
Ion Ratio Lower Upper

252 100

253 25.9 17.7 26.5

125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 2.578 ng

RT: 23.942 min Scan# 31

Delta R.T. -0.088 min

Lab File: BP025497.D

Acq: 20 Aug 2025 06:35

Instrument :

BNA_P

ClientSampleId :

DRILL CUTTING 1-2 COMP

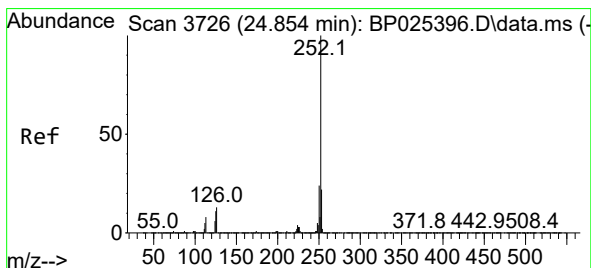
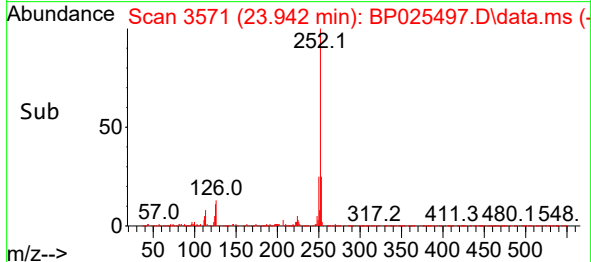
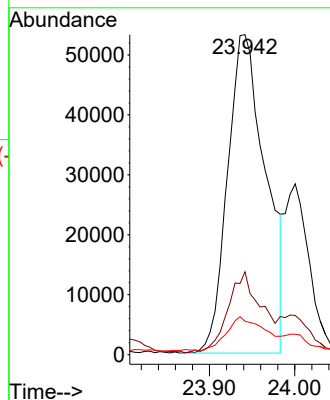
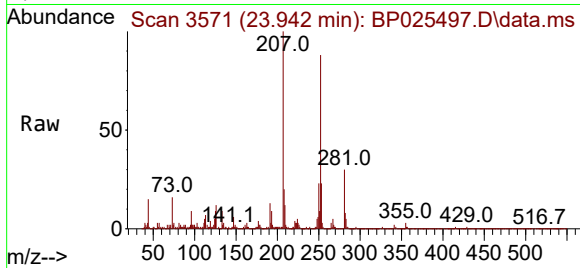
Tgt Ion:252 Resp: 165167

Ion Ratio Lower Upper

252 100

253 25.9 17.1 25.7#

125 10.4 7.8 11.6



#90

Benzo(a)pyrene

Concen: 2.192 ng

RT: 24.836 min Scan# 3723

Delta R.T. -0.018 min

Lab File: BP025497.D

Acq: 20 Aug 2025 06:35

Tgt Ion:252 Resp: 136591

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 12.2 8.7 13.1

