

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071525\
 Data File : BP025147.D
 Acq On : 15 Jul 2025 15:58
 Operator : CG/JU
 Sample : Q2487-13DL2 8X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 G2(0-6)DL2

Quant Time: Jul 15 16:20:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

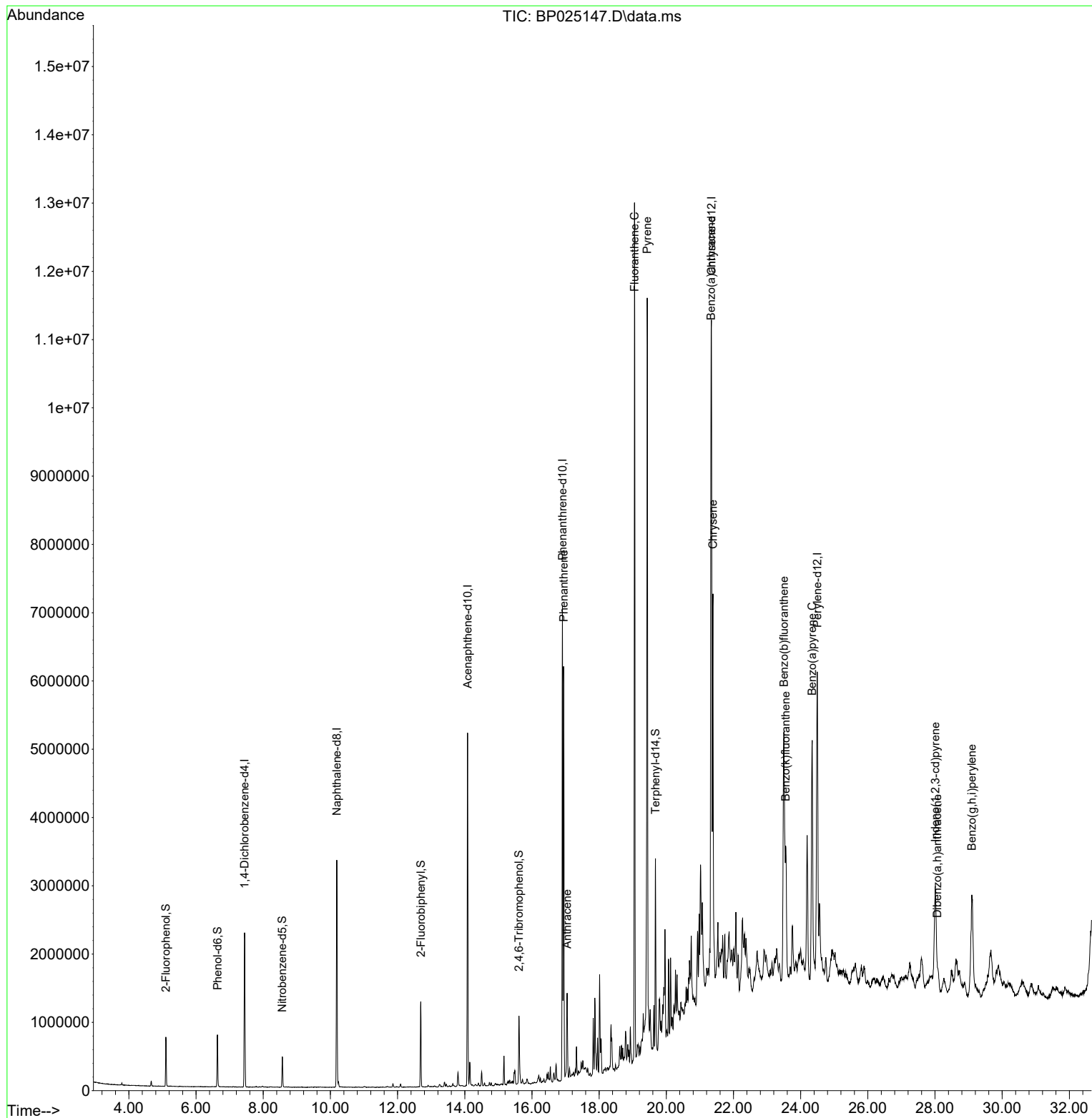
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.443	152	679768	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	2796862	20.000	ng	0.00
39) Acenaphthene-d10	14.084	164	1841256	20.000	ng	0.00
64) Phenanthrene-d10	16.907	188	3743453	20.000	ng	0.00
76) Chrysene-d12	21.342	240	3883440	20.000	ng	0.00
86) Perylene-d12	24.495	264	4506340	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	325990	8.497	ng	0.00
7) Phenol-d6	6.637	99	439408	8.777	ng	0.00
23) Nitrobenzene-d5	8.566	82	244365	5.811	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	222033	10.208	ng	0.00
45) 2-Fluorobiphenyl	12.690	172	692184	5.824	ng	0.00
79) Terphenyl-d14	19.677	244	1235387	6.992	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	16.942	178	3776972	18.882	ng	100
72) Anthracene	17.048	178	1046827	5.455	ng	99
75) Fluoranthene	19.054	202	7767016	33.219	ng	99
78) Pyrene	19.430	202	6925379	28.792	ng	98
81) Benzo(a)anthracene	21.330	228	4010376	17.041	ng	99
83) Chrysene	21.389	228	3441105	15.194	ng	98
87) Indeno(1,2,3-cd)pyrene	28.006	276	2484668	8.655	ng	# 89
88) Benzo(b)fluoranthene	23.501	252	4857023	18.518	ng	99
89) Benzo(k)fluoranthene	23.554	252	1653275m	6.335	ng	
90) Benzo(a)pyrene	24.342	252	3527368	15.801	ng	98
91) Dibenzo(a,h)anthracene	28.065	278	622315	2.622	ng	# 91
92) Benzo(g,h,i)perylene	29.095	276	2293087	9.354	ng	99

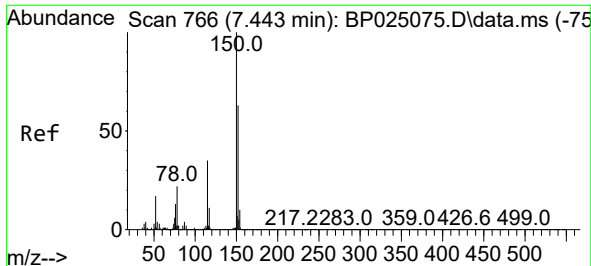
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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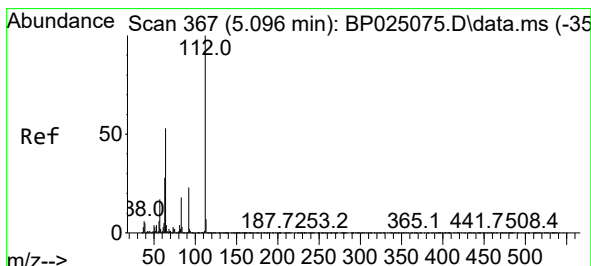
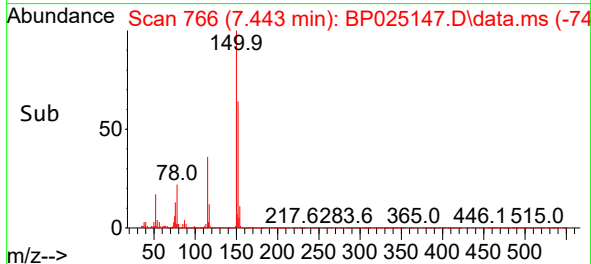
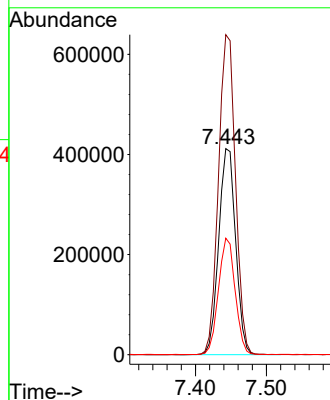
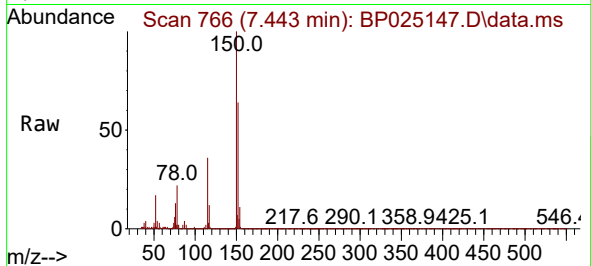




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.443 min Scan# 766
Delta R.T. -0.000 min
Lab File: BP025147.D
Acq: 15 Jul 2025 15:58

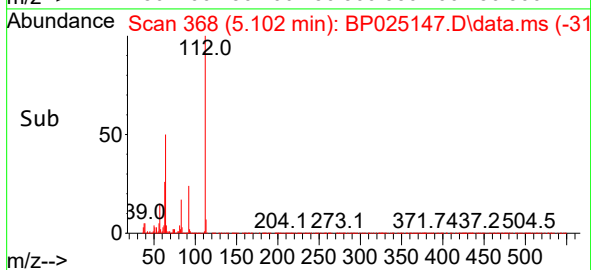
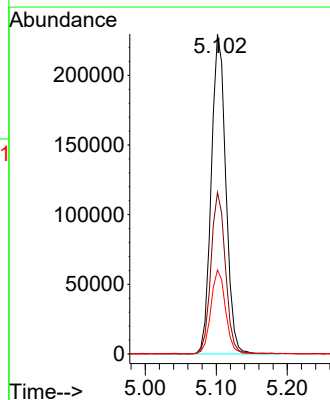
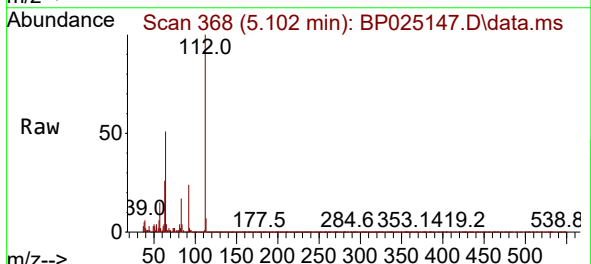
Instrument :
BNA_P
ClientSampleId :
G2(0-6)DL2

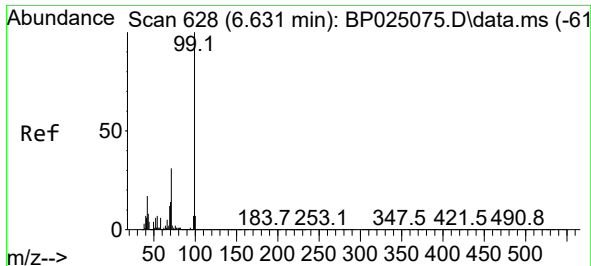
Tgt Ion:152 Resp: 679768
Ion Ratio Lower Upper
152 100
150 155.2 126.1 189.1
115 56.5 44.3 66.5



#5
2-Fluorophenol
Concen: 8.497 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.006 min
Lab File: BP025147.D
Acq: 15 Jul 2025 15:58

Tgt Ion:112 Resp: 325990
Ion Ratio Lower Upper
112 100
64 50.5 42.0 63.0
63 26.2 22.2 33.2

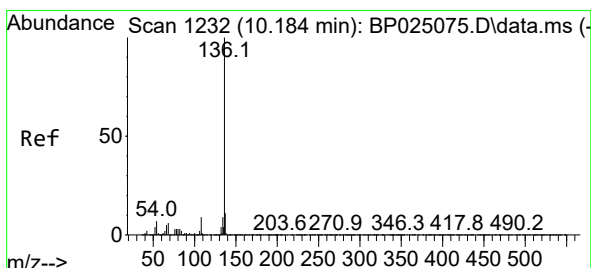
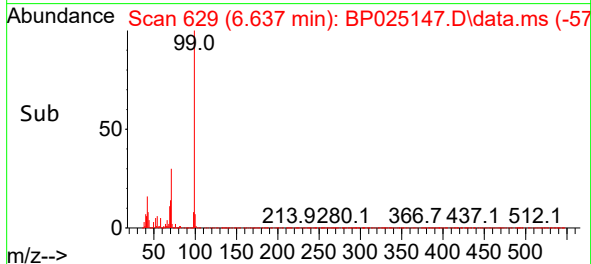
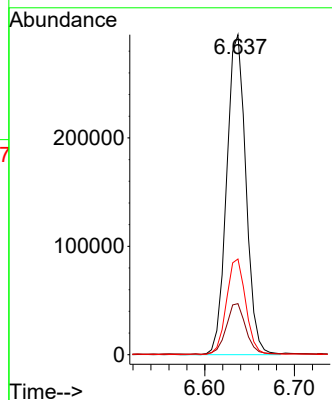
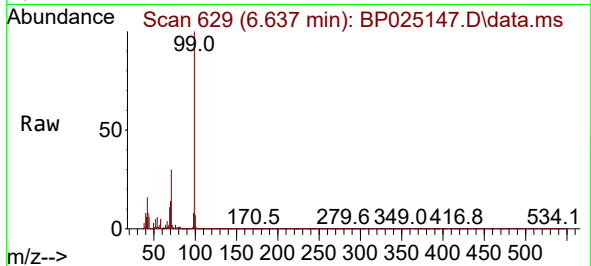




#7
Phenol-d6
Concen: 8.777 ng
RT: 6.637 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025147.D
Acq: 15 Jul 2025 15:58

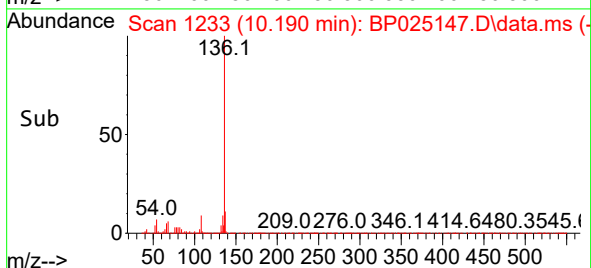
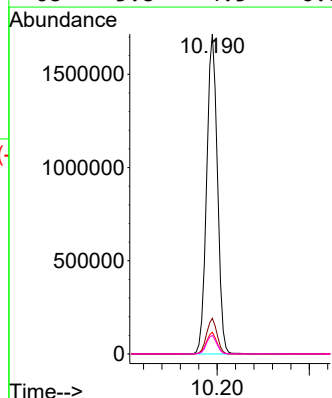
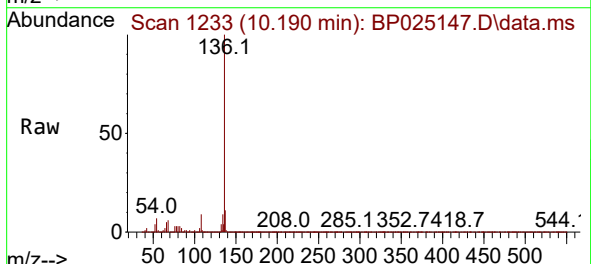
Instrument :
BNA_P
ClientSampleId :
G2(0-6)DL2

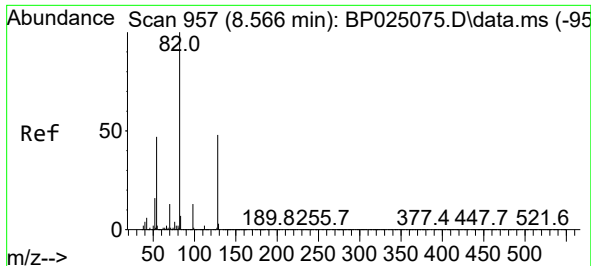
Tgt Ion: 99 Resp: 439408
Ion Ratio Lower Upper
99 100
42 15.9 13.6 20.4
71 29.9 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025147.D
Acq: 15 Jul 2025 15:58

Tgt Ion: 136 Resp: 2796862
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 6.8 5.4 8.2
68 5.8 4.5 6.7

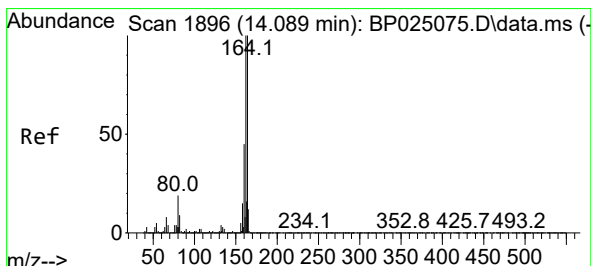
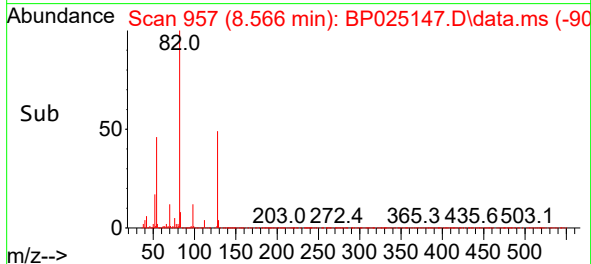
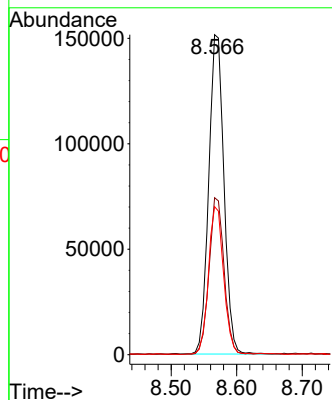
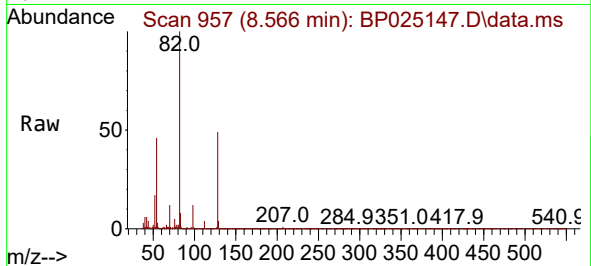




#23
Nitrobenzene-d5
Concen: 5.811 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025147.D
Acq: 15 Jul 2025 15:58

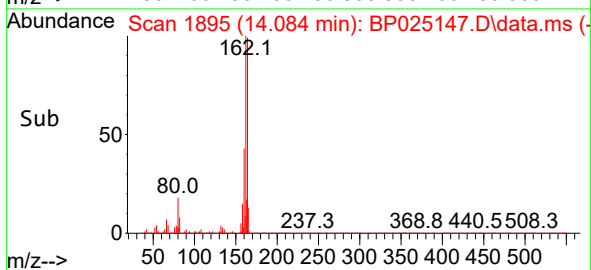
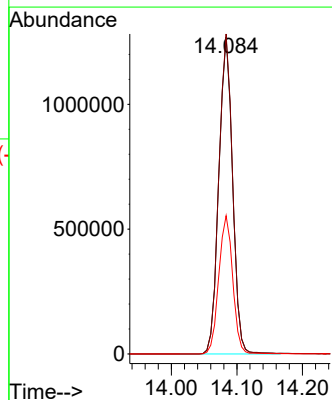
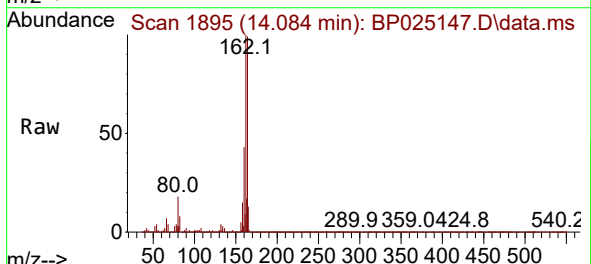
Instrument :
BNA_P
ClientSampleId :
G2(0-6)DL2

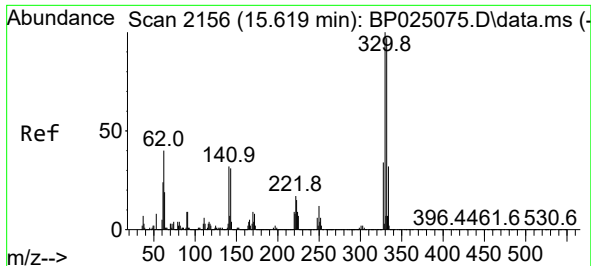
Tgt Ion: 82 Resp: 244365
Ion Ratio Lower Upper
82 100
128 49.0 38.4 57.6
54 46.3 37.8 56.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.084 min Scan# 1895
Delta R.T. -0.005 min
Lab File: BP025147.D
Acq: 15 Jul 2025 15:58

Tgt Ion:164 Resp: 1841256
Ion Ratio Lower Upper
164 100
162 101.0 80.3 120.5
160 43.6 35.9 53.9

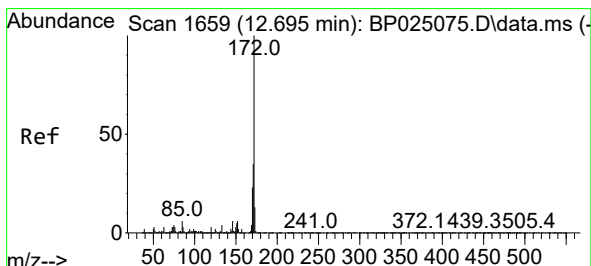
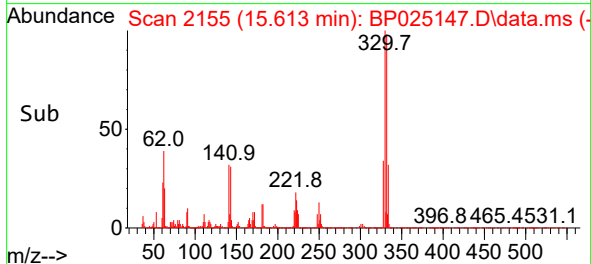
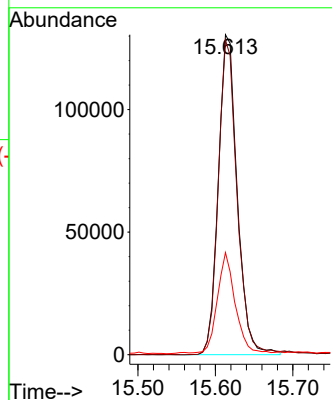
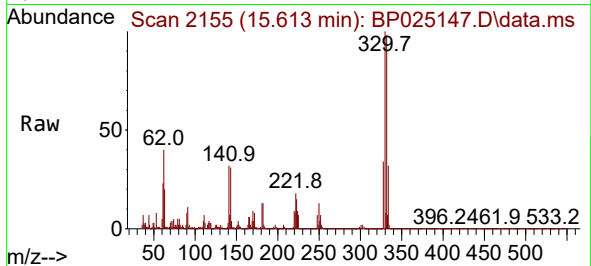




#42
2,4,6-Tribromophenol
Concen: 10.208 ng
RT: 15.613 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BP025147.D
Acq: 15 Jul 2025 15:58

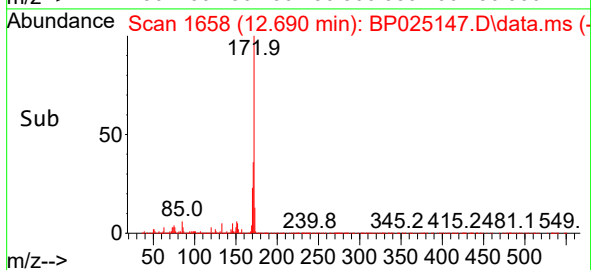
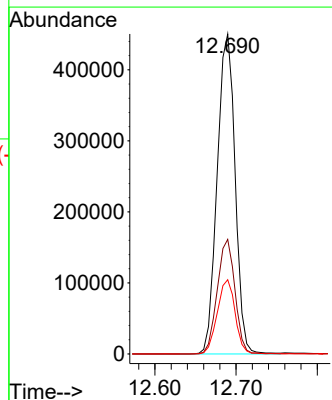
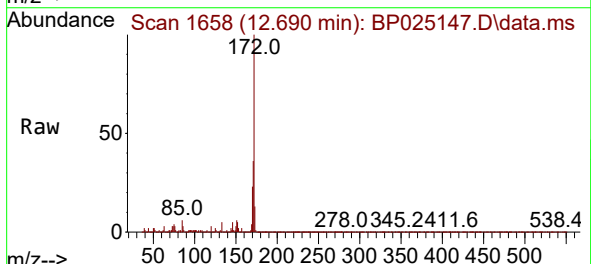
Instrument :
BNA_P
ClientSampleId :
G2(0-6)DL2

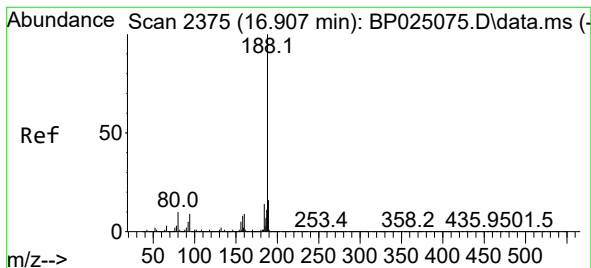
Tgt Ion: 330 Resp: 222033
Ion Ratio Lower Upper
330 100
332 98.5 77.7 116.5
141 29.1 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 5.824 ng
RT: 12.690 min Scan# 1658
Delta R.T. -0.006 min
Lab File: BP025147.D
Acq: 15 Jul 2025 15:58

Tgt Ion: 172 Resp: 692184
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.2
170 23.2 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.907 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

Instrument :

BNA_P

ClientSampleId :

G2(0-6)DL2

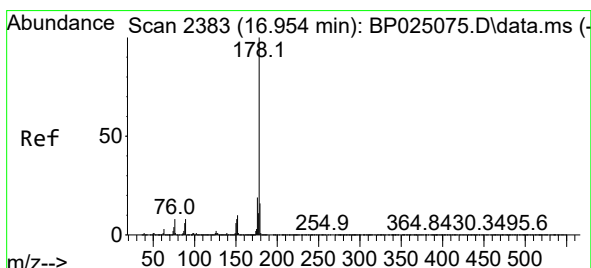
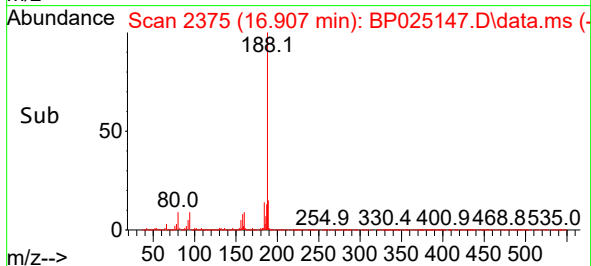
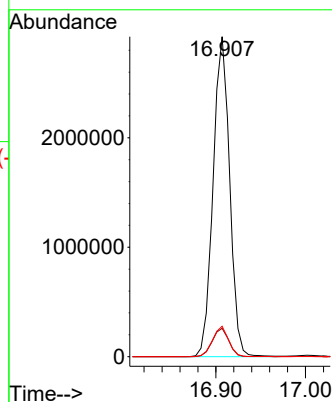
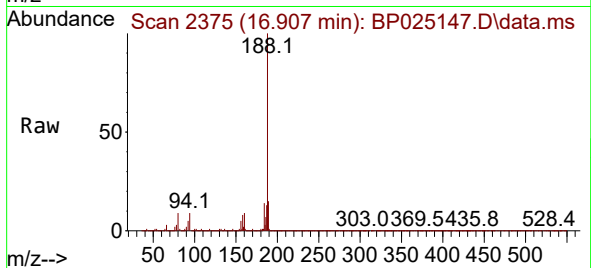
Tgt Ion:188 Resp: 3743453

Ion Ratio Lower Upper

188 100

94 8.9 7.3 10.9

80 9.5 7.8 11.6



#71

Phenanthrene

Concen: 18.882 ng

RT: 16.942 min Scan# 2381

Delta R.T. -0.012 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

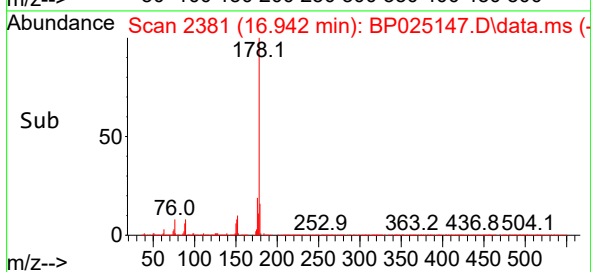
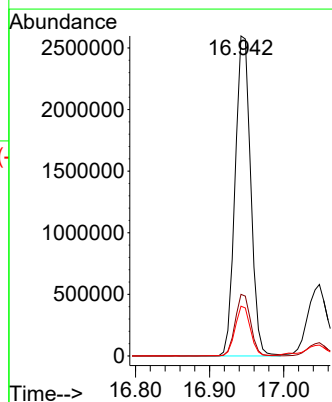
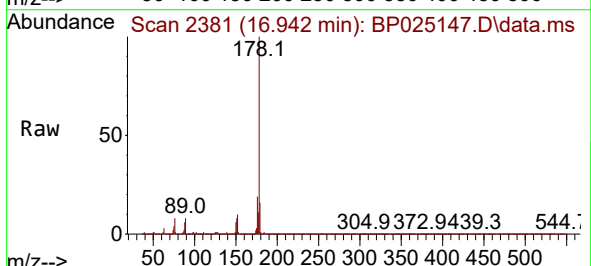
Tgt Ion:178 Resp: 3776972

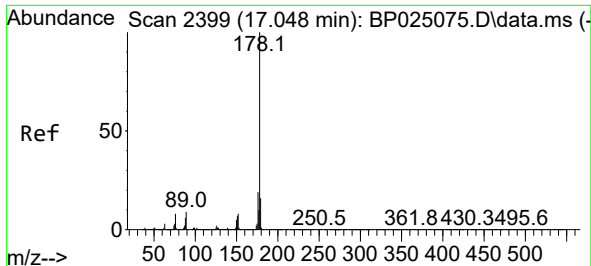
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.5 12.6 19.0

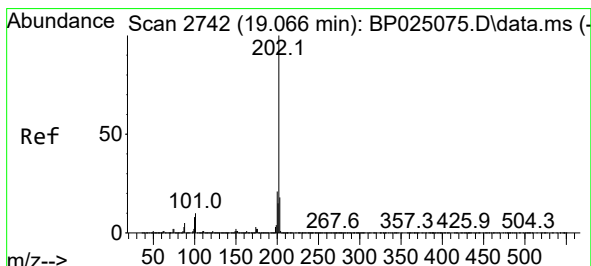
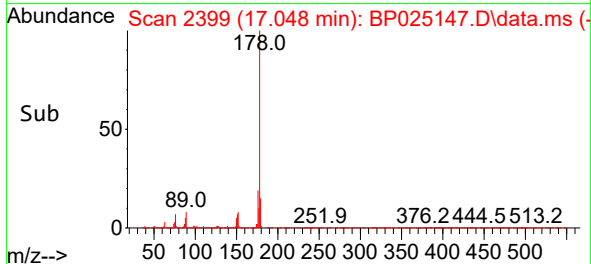
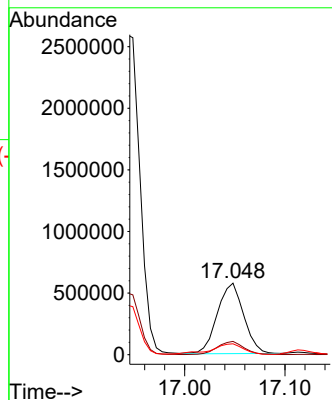
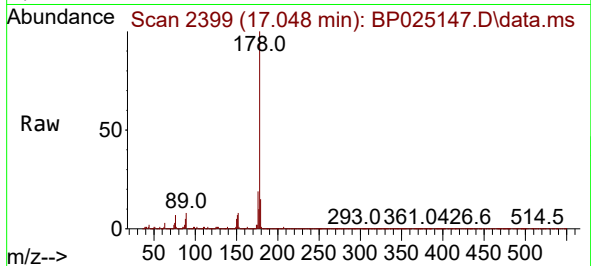




#72
 Anthracene
 Concen: 5.455 ng
 RT: 17.048 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP025147.D
 Acq: 15 Jul 2025 15:58

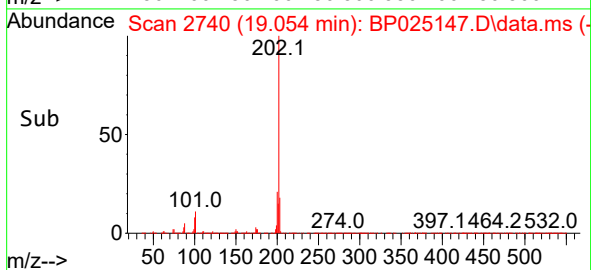
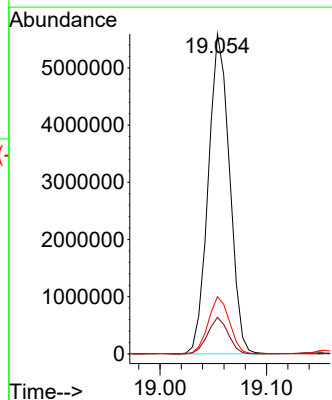
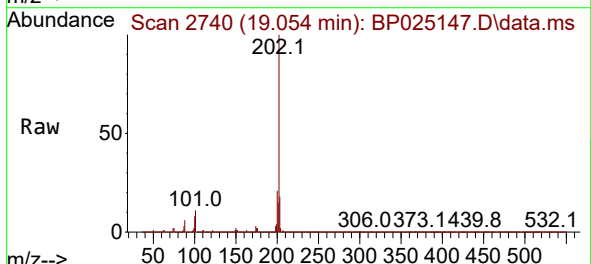
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 G2(0-6)DL2

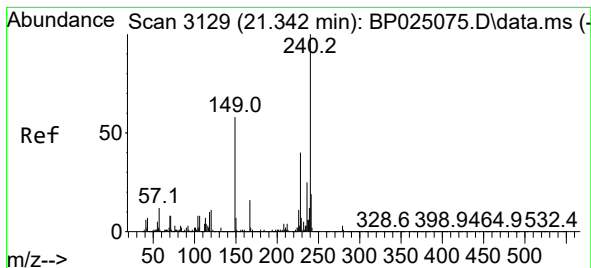
Tgt Ion:178 Resp: 1046827
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 15.2 12.5 18.7



#75
 Fluoranthene
 Concen: 33.219 ng
 RT: 19.054 min Scan# 2740
 Delta R.T. -0.012 min
 Lab File: BP025147.D
 Acq: 15 Jul 2025 15:58

Tgt Ion:202 Resp: 7767016
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 30.4
 203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.342 min Scan# 3129

Delta R.T. 0.000 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

Instrument :

BNA_P

ClientSampleId :

G2(0-6)DL2

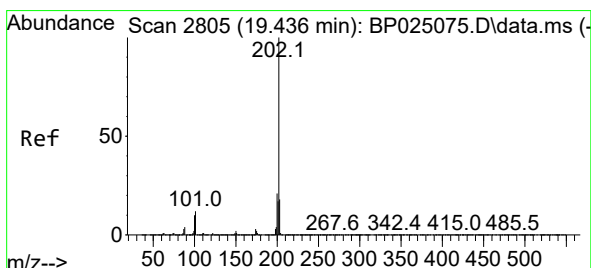
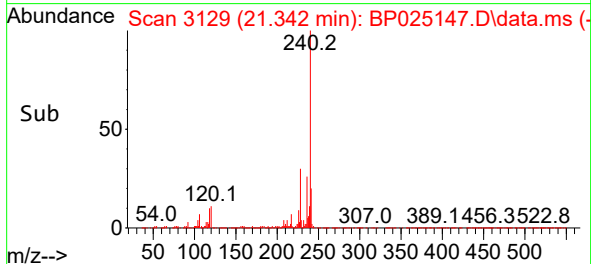
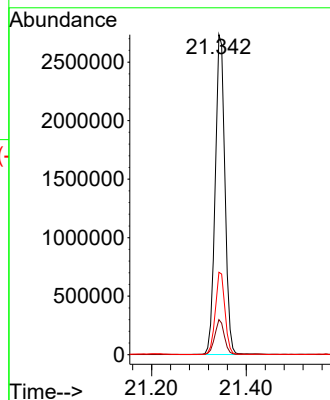
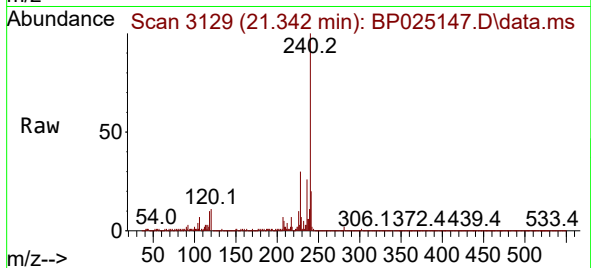
Tgt Ion:240 Resp: 3883440

Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.4

236 25.8 20.3 30.5



#78

Pyrene

Concen: 28.792 ng

RT: 19.430 min Scan# 2804

Delta R.T. -0.006 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

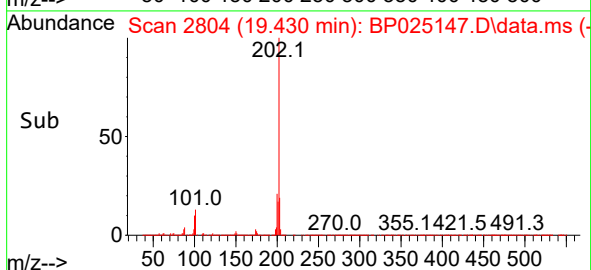
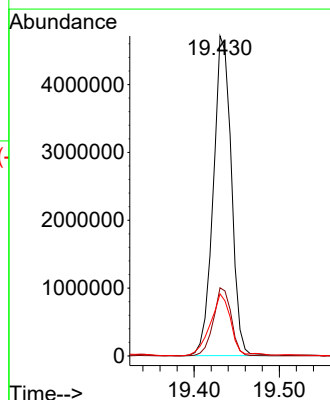
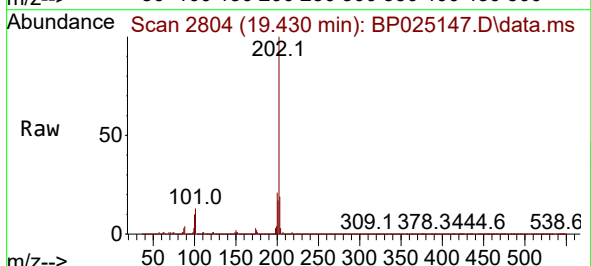
Tgt Ion:202 Resp: 6925379

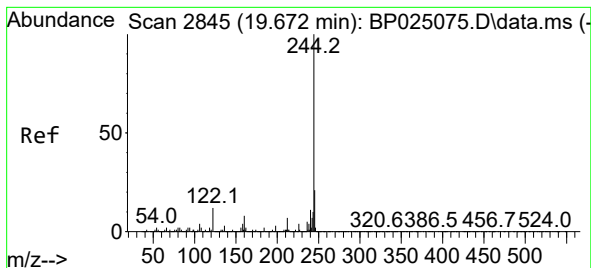
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 19.4 14.1 21.1





#79

Terphenyl-d14

Concen: 6.992 ng

RT: 19.677 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

Instrument :

BNA_P

ClientSampleId :

G2(0-6)DL2

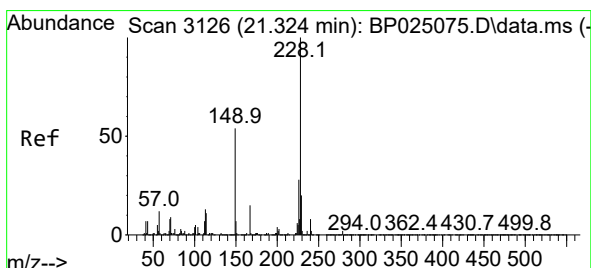
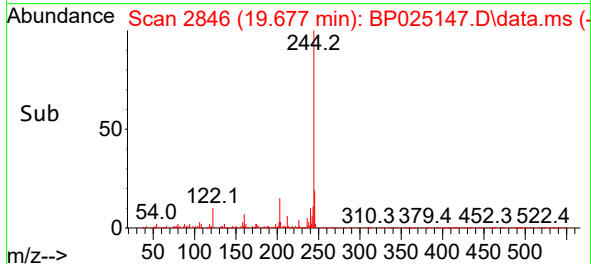
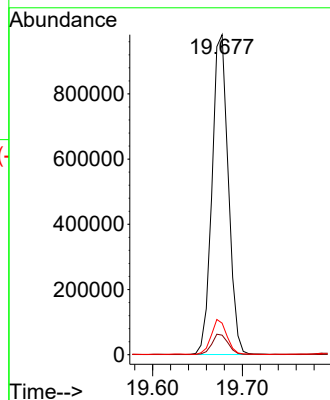
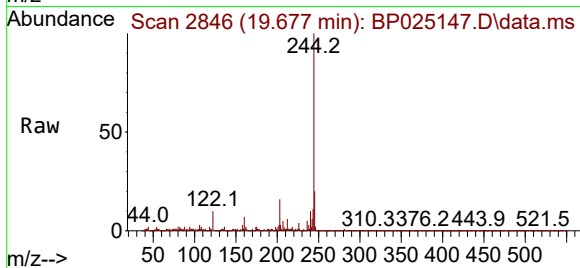
Tgt Ion:244 Resp: 1235387

Ion Ratio Lower Upper

244 100

212 6.1 5.9 8.9

122 9.9 9.4 14.2



#81

Benzo(a)anthracene

Concen: 17.041 ng

RT: 21.330 min Scan# 3127

Delta R.T. 0.006 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

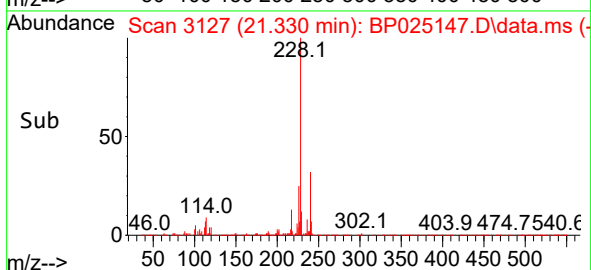
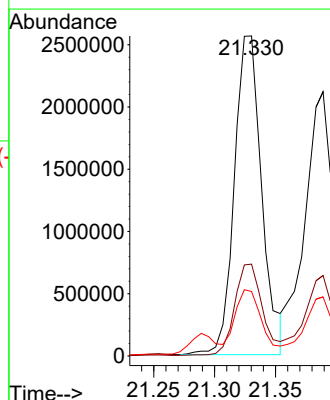
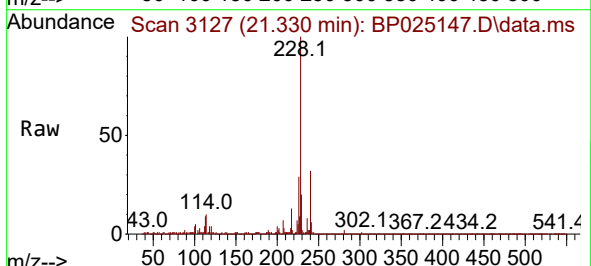
Tgt Ion:228 Resp: 4010376

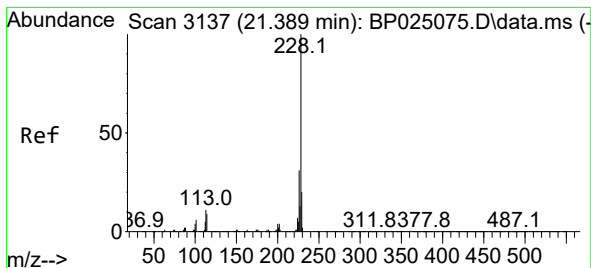
Ion Ratio Lower Upper

228 100

226 28.7 22.1 33.1

229 20.1 16.0 24.0





#83

Chrysene

Concen: 15.194 ng

RT: 21.389 min Scan# 3137

Delta R.T. 0.000 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

Instrument :

BNA_P

ClientSampleId :

G2(0-6)DL2

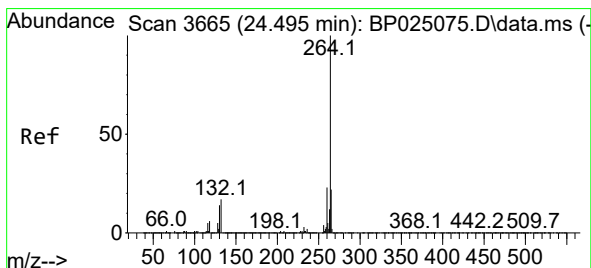
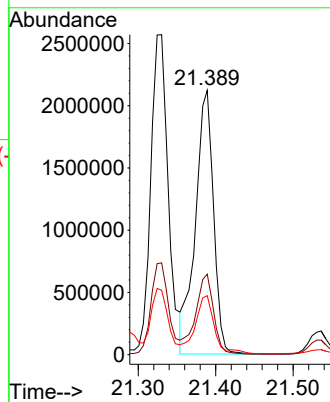
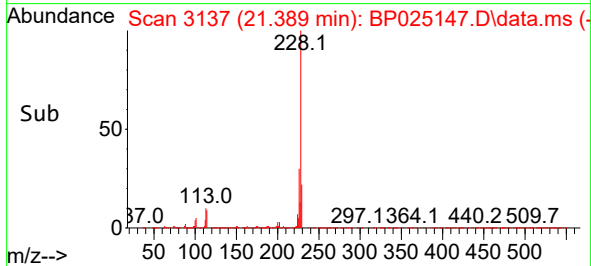
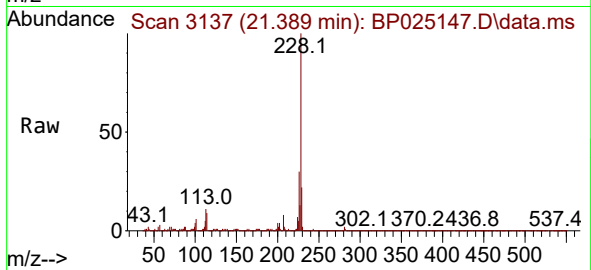
Tgt Ion:228 Resp: 3441105

Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

229 22.3 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.495 min Scan# 3665

Delta R.T. 0.000 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

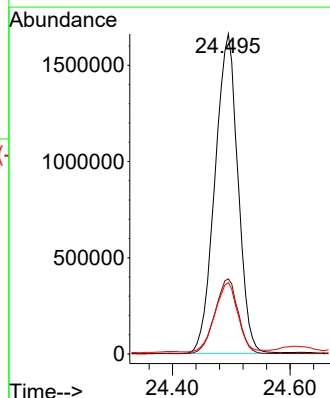
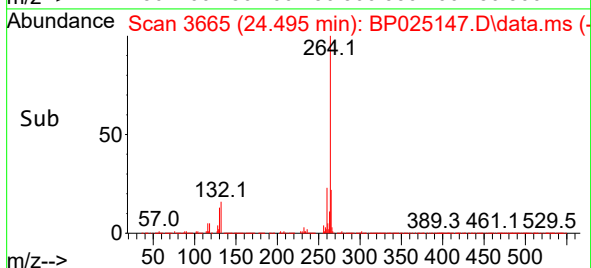
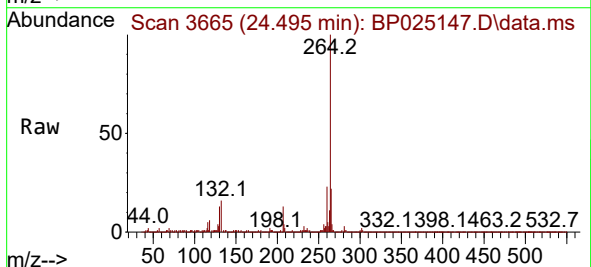
Tgt Ion:264 Resp: 4506340

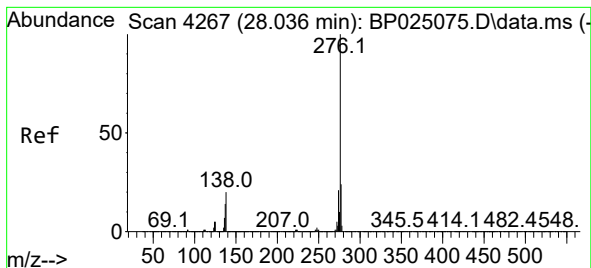
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.3 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.655 ng

RT: 28.006 min Scan# 41

Delta R.T. -0.029 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

Instrument :

BNA_P

ClientSampleId :

G2(0-6)DL2

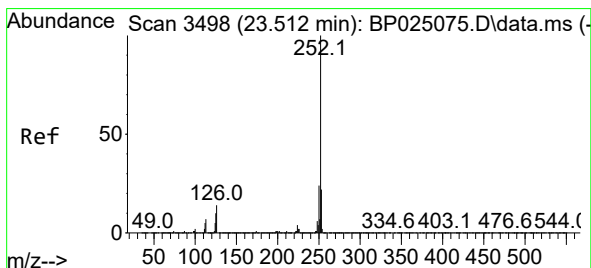
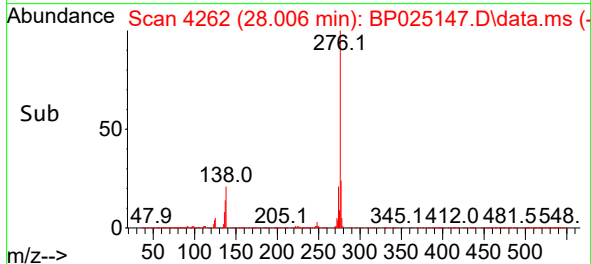
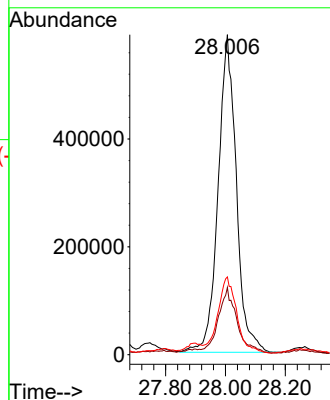
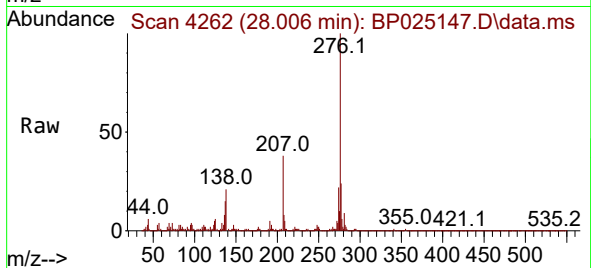
Tgt Ion:276 Resp: 2484668

Ion Ratio Lower Upper

276 100

138 21.3 13.0 19.6#

277 24.7 15.9 23.9#



#88

Benzo(b)fluoranthene

Concen: 18.518 ng

RT: 23.501 min Scan# 3496

Delta R.T. -0.012 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

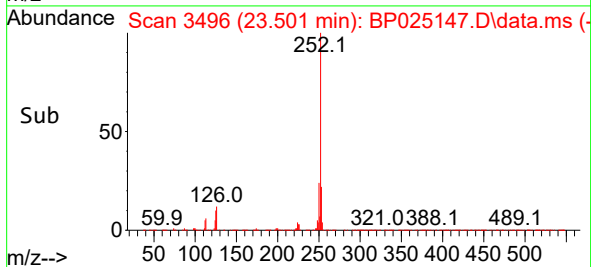
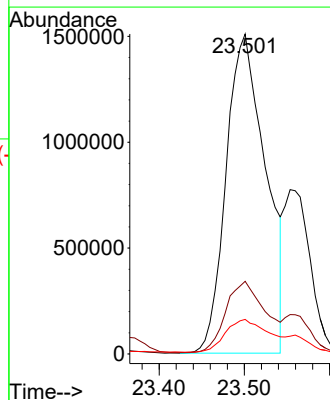
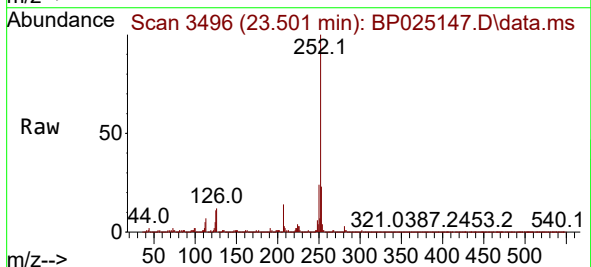
Tgt Ion:252 Resp: 4857023

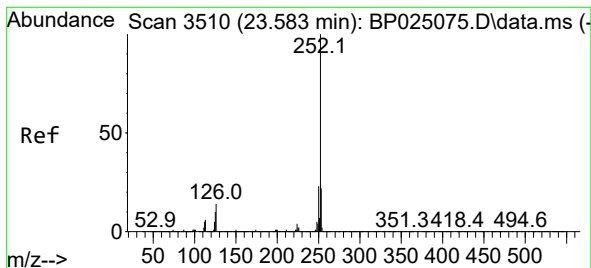
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 10.8 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 6.335 ng m

RT: 23.554 min Scan# 3

Delta R.T. -0.029 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

Instrument :

BNA_P

ClientSampleId :

G2(0-6)DL2

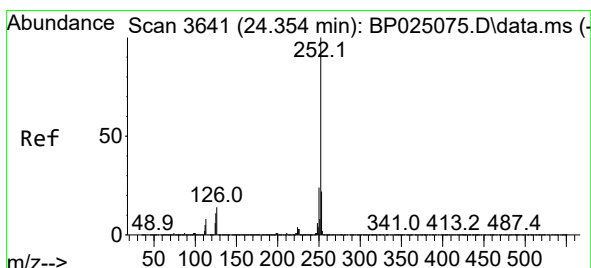
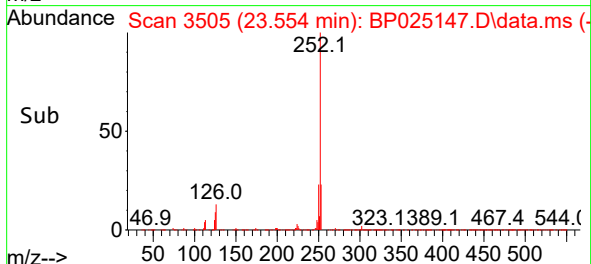
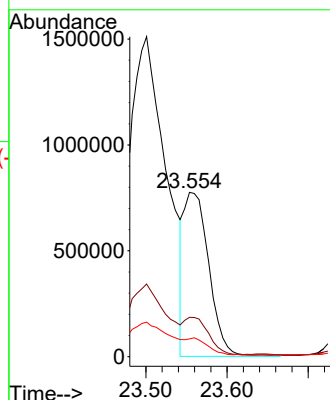
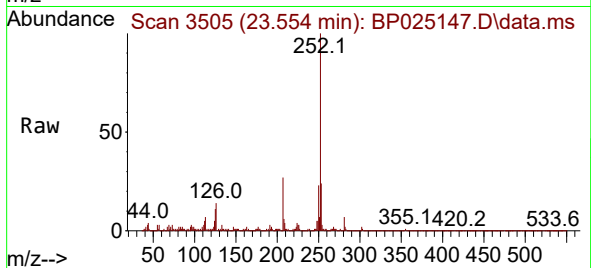
Tgt Ion:252 Resp: 1653275

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 10.8 8.2 12.2



#90

Benzo(a)pyrene

Concen: 15.801 ng

RT: 24.342 min Scan# 3639

Delta R.T. -0.012 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

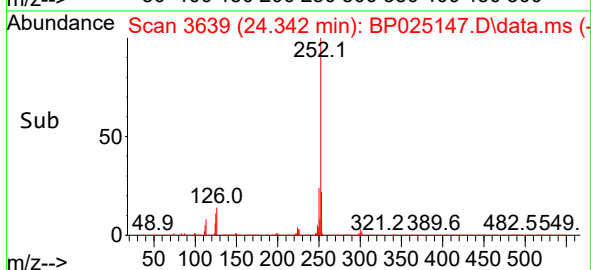
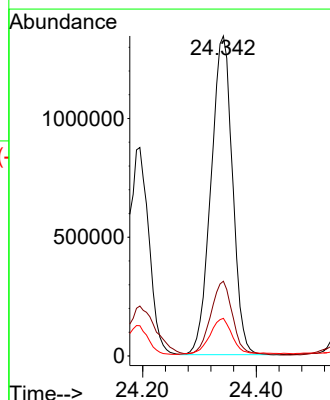
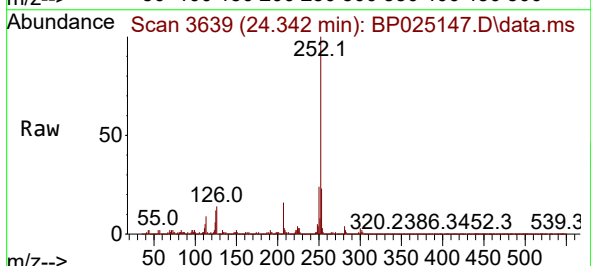
Tgt Ion:252 Resp: 3527368

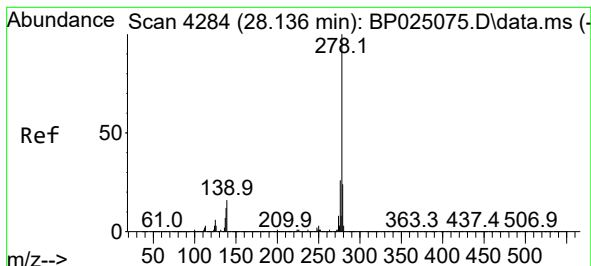
Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 11.7 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 2.622 ng

RT: 28.065 min Scan# 41

Delta R.T. -0.071 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

Instrument :

BNA_P

ClientSampleId :

G2(0-6)DL2

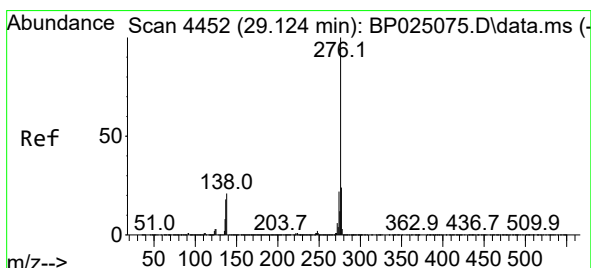
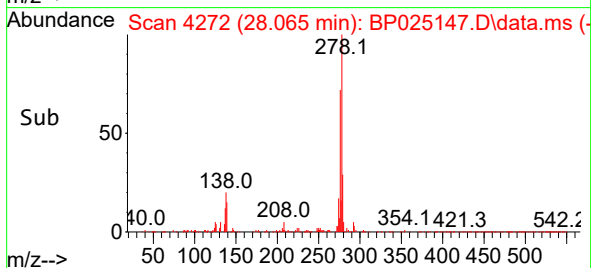
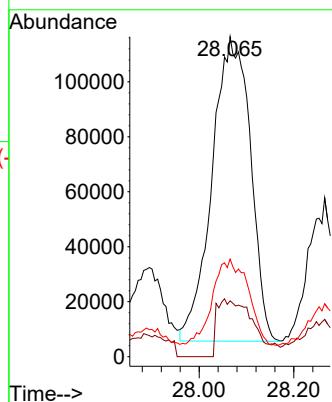
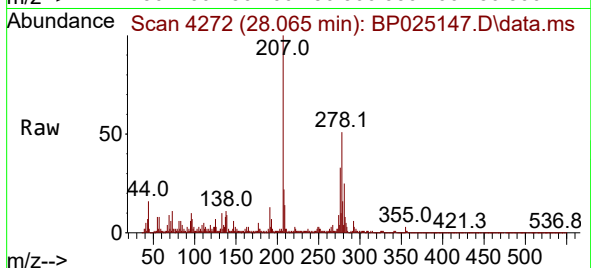
Tgt Ion:278 Resp: 622315

Ion Ratio Lower Upper

278 100

139 17.5 13.1 19.7

279 30.5 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 9.354 ng

RT: 29.095 min Scan# 4447

Delta R.T. -0.029 min

Lab File: BP025147.D

Acq: 15 Jul 2025 15:58

Tgt Ion:276 Resp: 2293087

Ion Ratio Lower Upper

276 100

277 23.8 19.3 28.9

138 20.7 16.9 25.3

