

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
 Data File : BP024918.D
 Acq On : 11 Jun 2025 19:08
 Operator : RC/JU
 Sample : Q2241-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-N

Quant Time: Jun 12 01:58:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

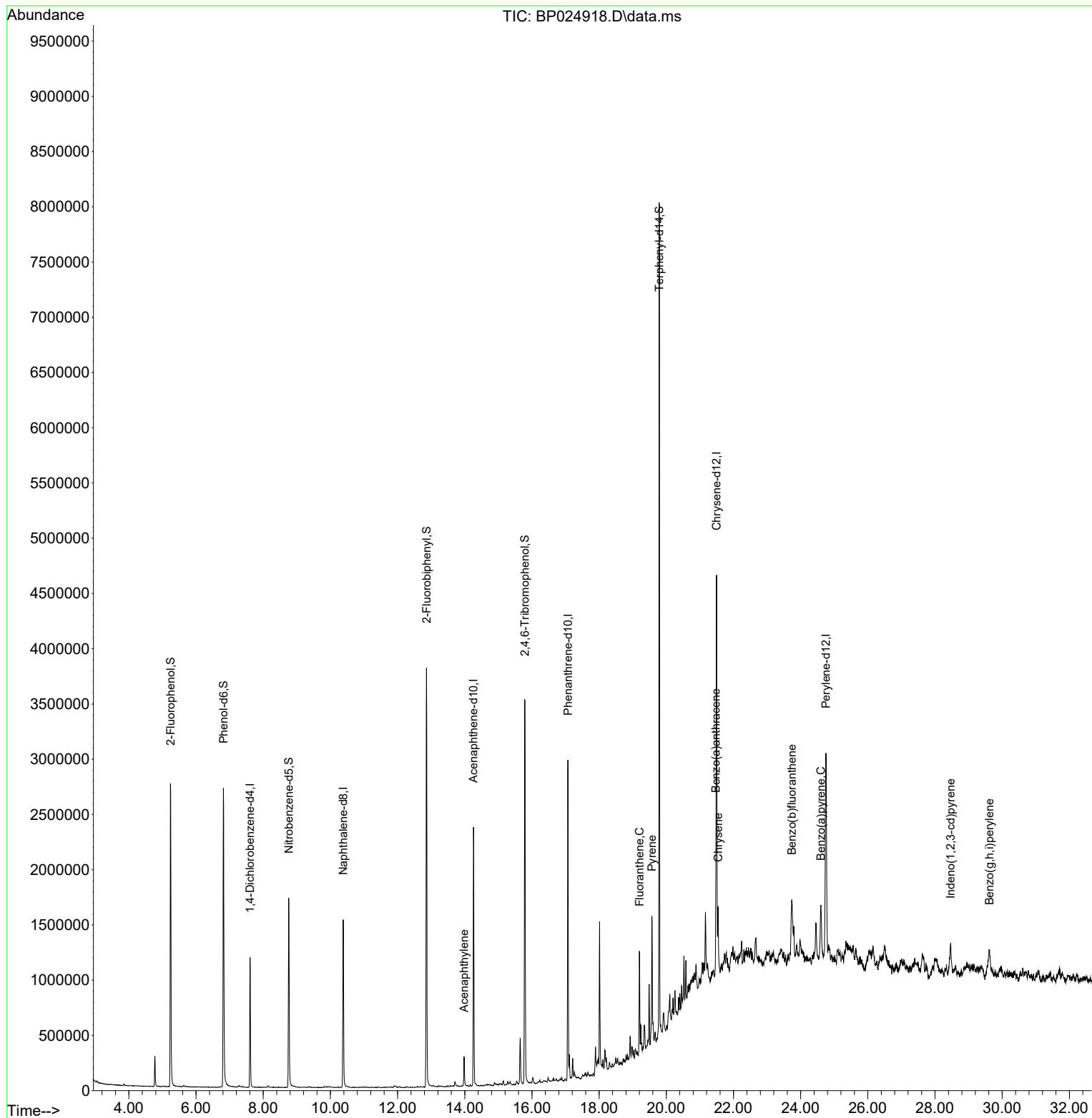
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	315509	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1280603	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	812695	20.000	ng	0.01
64) Phenanthrene-d10	17.072	188	1622105	20.000	ng	0.01
76) Chrysene-d12	21.495	240	1694614	20.000	ng	0.01
86) Perylene-d12	24.754	264	1960741	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1322562	69.970	ng	0.00
7) Phenol-d6	6.813	99	1775571	70.997	ng	0.00
23) Nitrobenzene-d5	8.760	82	1060343	40.235	ng	0.00
42) 2,4,6-Tribromophenol	15.789	330	856968	76.270	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2129553	35.299	ng	0.00
79) Terphenyl-d14	19.789	244	3294499	34.843	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	13.978	152	214562	2.835	ng	98
75) Fluoranthene	19.201	202	520254	5.007	ng	99
78) Pyrene	19.572	202	638012	6.026	ng	99
81) Benzo(a)anthracene	21.477	228	464452	4.285	ng	95
83) Chrysene	21.542	228	446506	4.348	ng	97
87) Indeno(1,2,3-cd)pyrene	28.465	276	343195	2.399	ng	94
88) Benzo(b)fluoranthene	23.736	252	646232	5.759	ng	# 93
90) Benzo(a)pyrene	24.601	252	505094	4.609	ng	96
92) Benzo(g,h,i)perylene	29.618	276	346140	2.996	ng	96

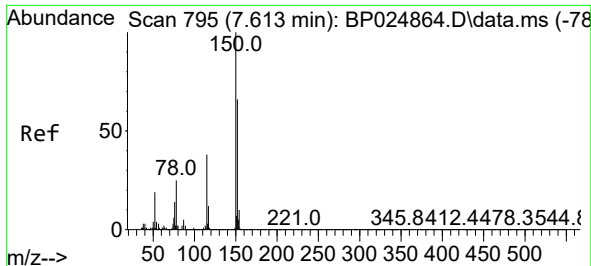
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
Data File : BP024918.D
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Operator : RC/JU
Sample : Q2241-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
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Quant Time: Jun 12 01:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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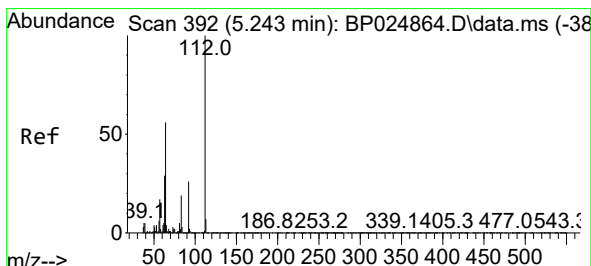
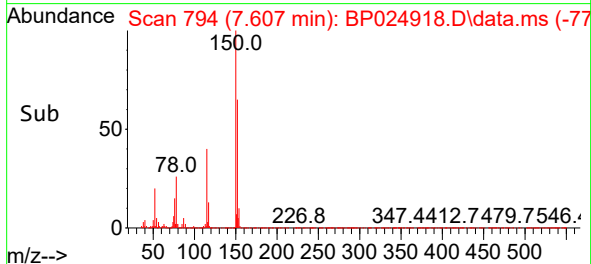
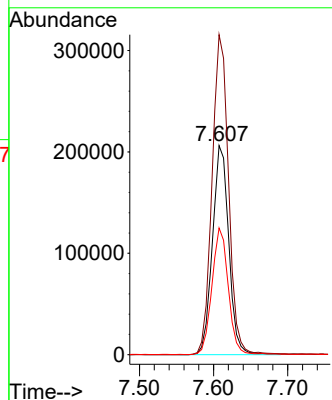
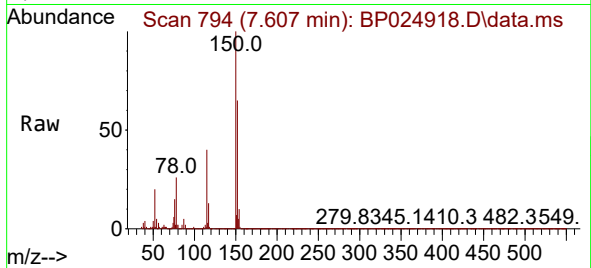




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

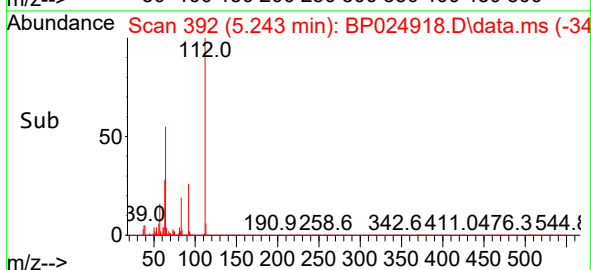
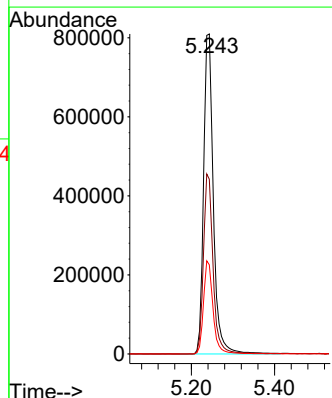
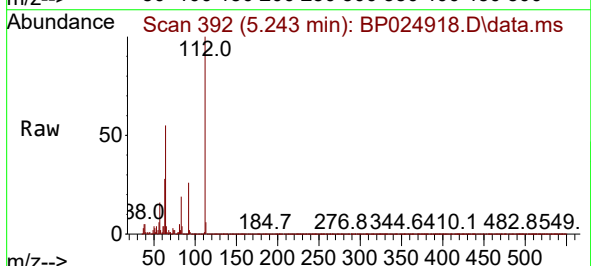
Instrument :
BNA_P
ClientSampleId :
TP-N

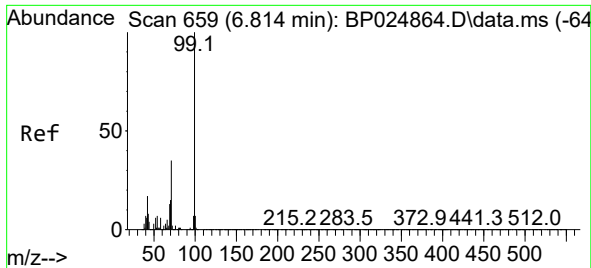
Tgt Ion:152 Resp: 315509
Ion Ratio Lower Upper
152 100
150 153.0 122.1 183.1
115 60.6 46.4 69.6



#5
2-Fluorophenol
Concen: 69.970 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

Tgt Ion:112 Resp: 1322562
Ion Ratio Lower Upper
112 100
64 54.6 44.7 67.1
63 27.9 23.5 35.3

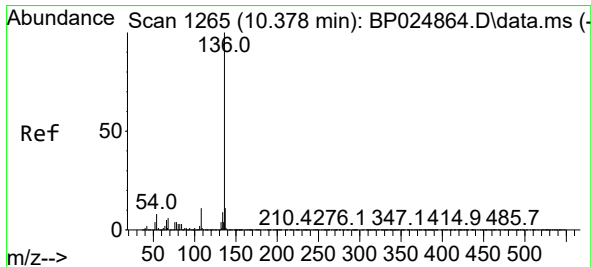
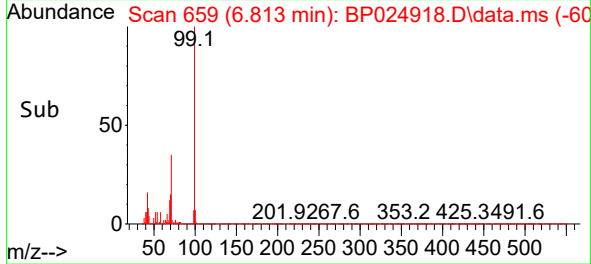
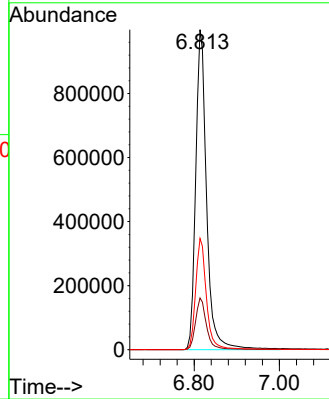
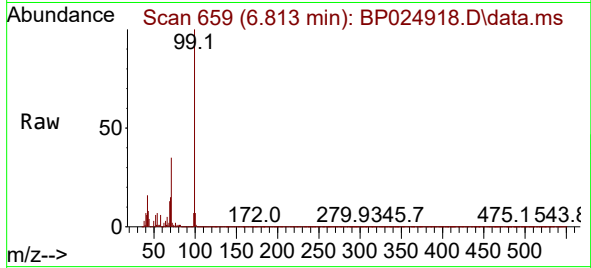




#7
Phenol-d6
Concen: 70.997 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

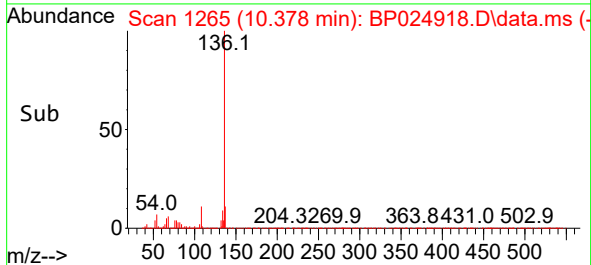
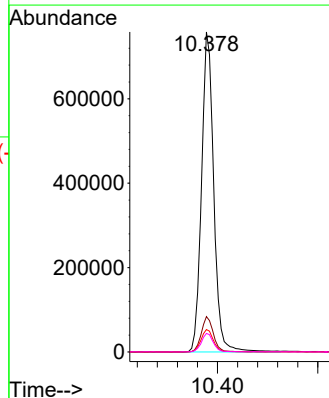
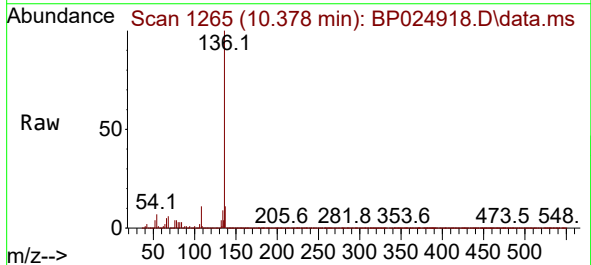
Instrument :
BNA_P
ClientSampleId :
TP-N

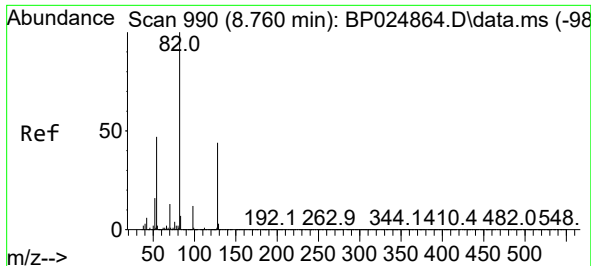
Tgt Ion: 99 Resp: 1775571
Ion Ratio Lower Upper
99 100
42 16.2 13.4 20.2
71 34.7 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

Tgt Ion:136 Resp: 1280603
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.0 6.1 9.1
68 5.8 4.6 7.0

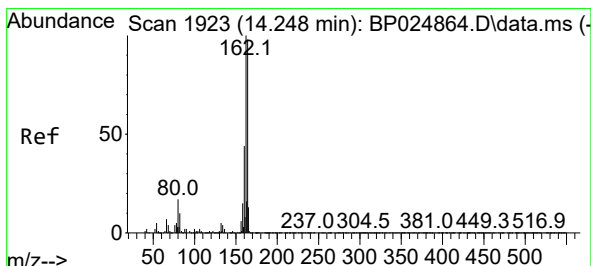
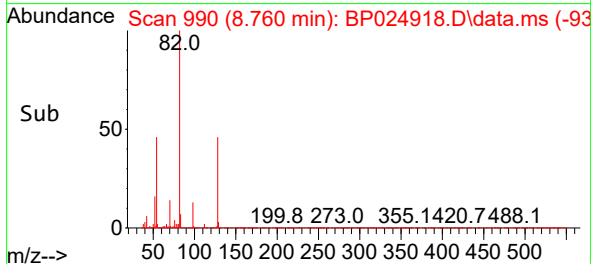
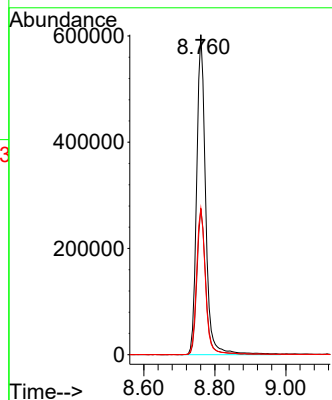
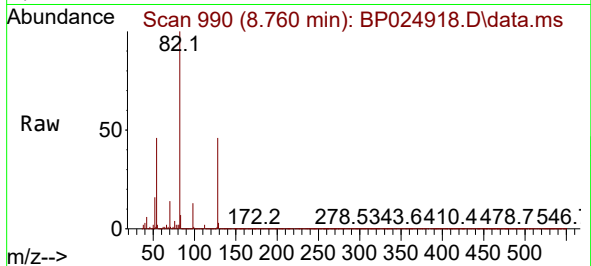




#23
Nitrobenzene-d5
Concen: 40.235 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

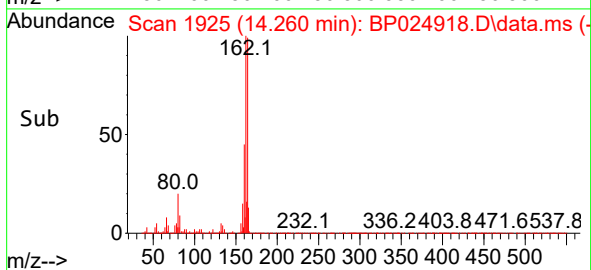
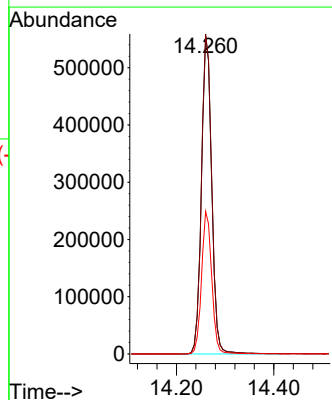
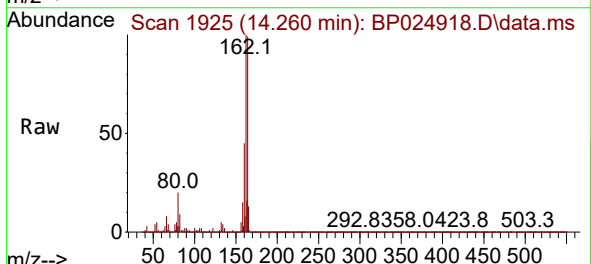
Instrument :
BNA_P
ClientSampleId :
TP-N

Tgt Ion: 82 Resp: 1060343
Ion Ratio Lower Upper
82 100
128 45.6 35.3 52.9
54 45.7 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

Tgt Ion:164 Resp: 812695
Ion Ratio Lower Upper
164 100
162 100.7 81.6 122.4
160 44.9 36.2 54.2



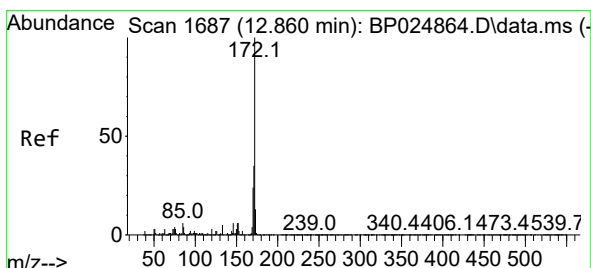
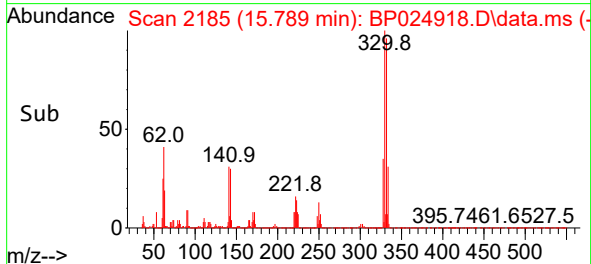
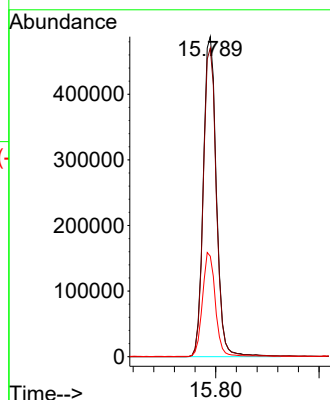
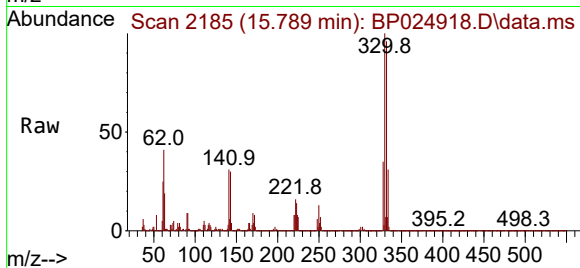


#42
 2,4,6-Tribromophenol
 Concen: 76.270 ng
 RT: 15.789 min Scan# 2184
 Delta R.T. 0.006 min
 Lab File: BP024918.D
 Acq: 11 Jun 2025 19:08

Instrument :
 BNA_P
 ClientSampleId :
 TP-N

Tgt Ion: 330 Resp: 856968

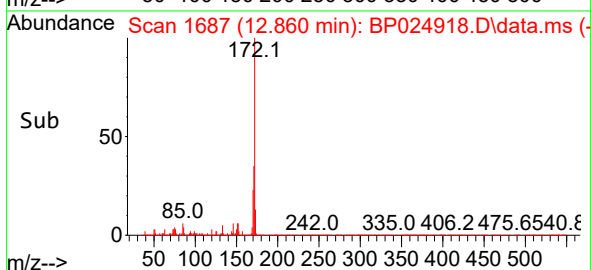
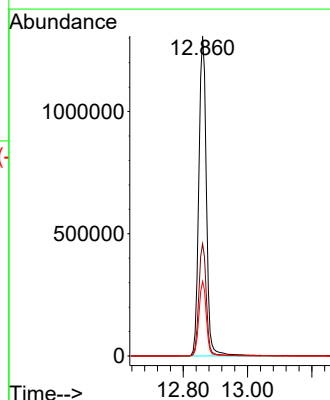
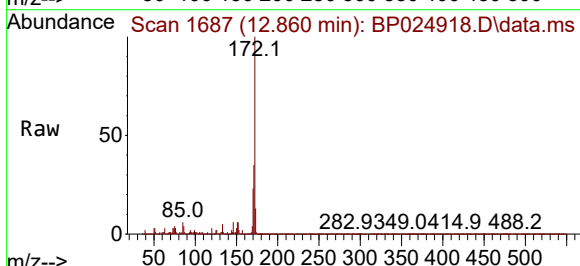
Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.7	116.5
141	32.0	26.4	39.6

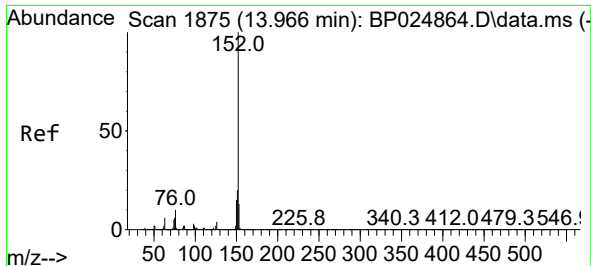


#45
 2-Fluorobiphenyl
 Concen: 35.299 ng
 RT: 12.860 min Scan# 1687
 Delta R.T. -0.000 min
 Lab File: BP024918.D
 Acq: 11 Jun 2025 19:08

Tgt Ion: 172 Resp: 2129553

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	23.3	19.0	28.4

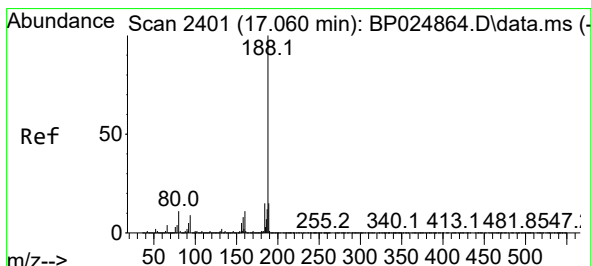
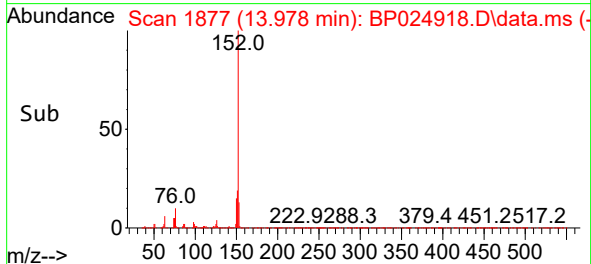
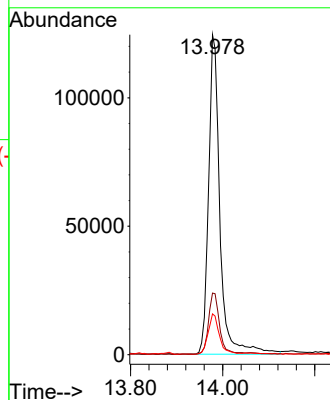
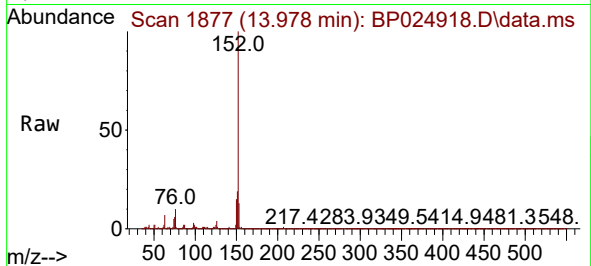




#49
Acenaphthylene
Concen: 2.835 ng
RT: 13.978 min Scan# 1877
Delta R.T. 0.012 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

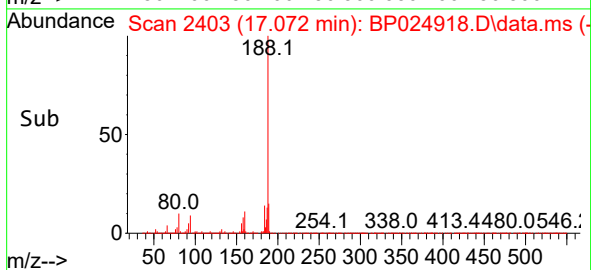
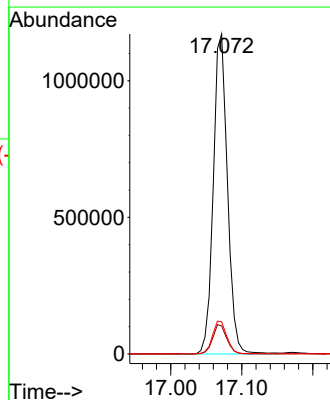
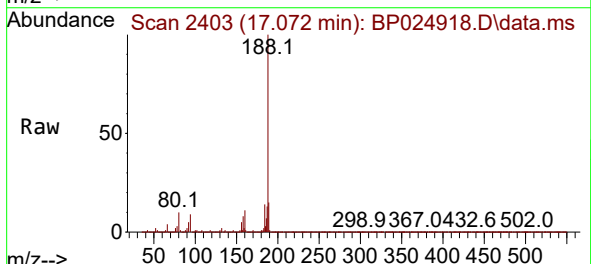
Instrument :
BNA_P
ClientSampleId :
TP-N

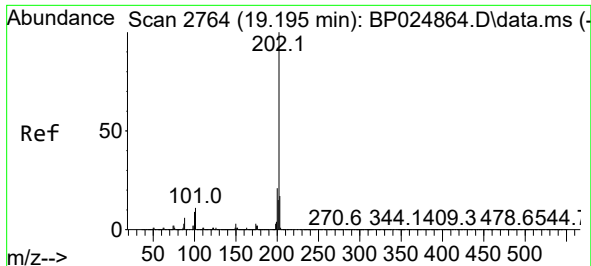
Tgt Ion:152 Resp: 214562
Ion Ratio Lower Upper
152 100
151 19.2 16.2 24.2
153 12.7 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.072 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

Tgt Ion:188 Resp: 1622105
Ion Ratio Lower Upper
188 100
94 8.8 7.3 10.9
80 10.0 8.5 12.7

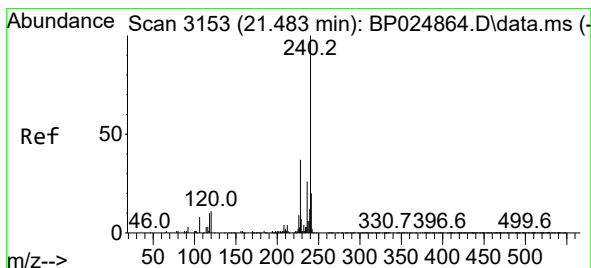
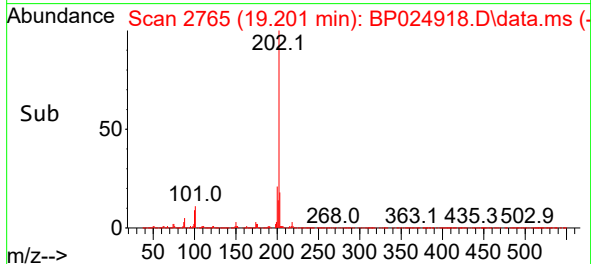
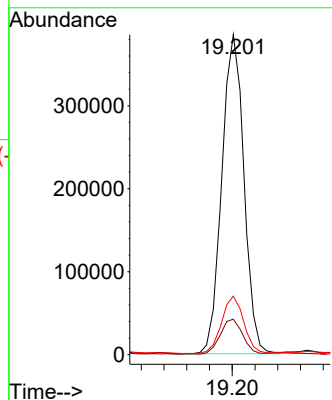
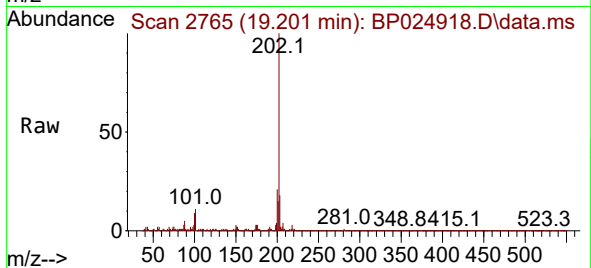




#75
Fluoranthene
Concen: 5.007 ng
RT: 19.201 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

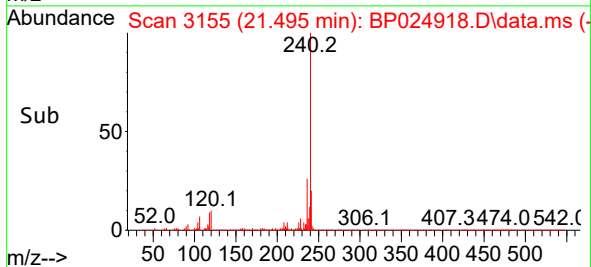
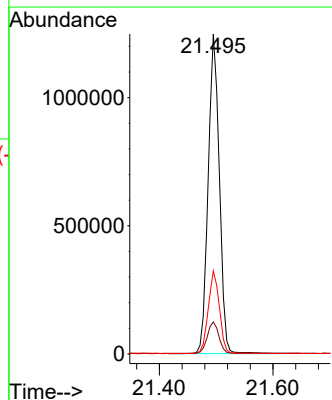
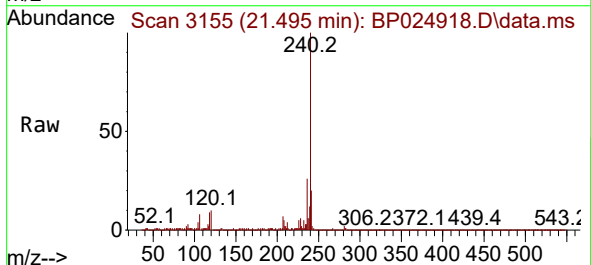
Instrument :
BNA_P
ClientSampleId :
TP-N

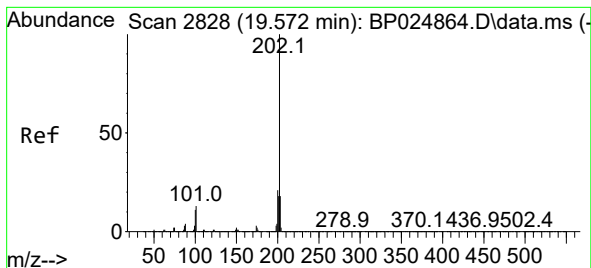
Tgt Ion:202 Resp: 520254
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 18.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024918.D
Acq: 11 Jun 2025 19:08

Tgt Ion:240 Resp: 1694614
Ion Ratio Lower Upper
240 100
120 10.0 8.9 13.3
236 26.0 20.9 31.3





#78

Pyrene

Concen: 6.026 ng

RT: 19.572 min Scan# 2828

Delta R.T. -0.000 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

Instrument :

BNA_P

ClientSampleId :

TP-N

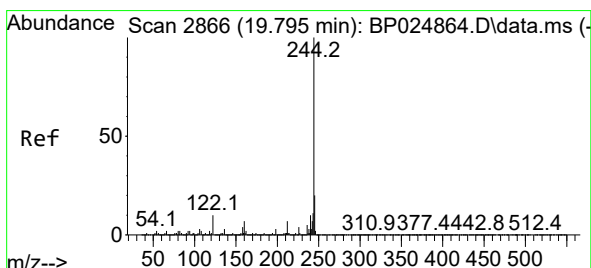
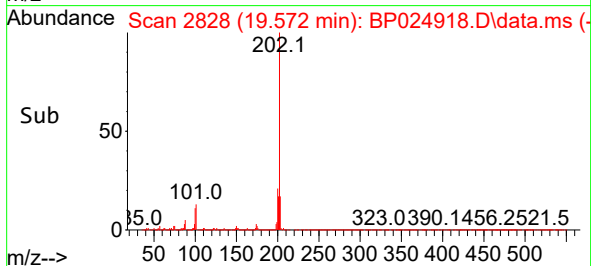
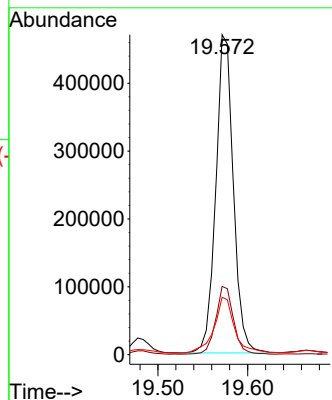
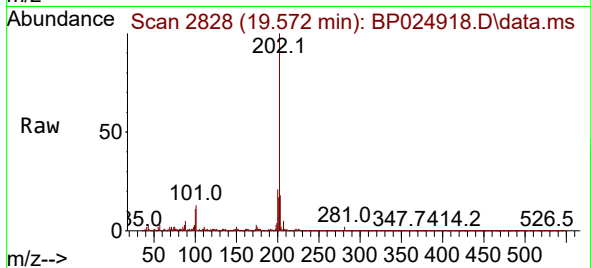
Tgt Ion:202 Resp: 638012

Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.9 14.0 21.0



#79

Terphenyl-d14

Concen: 34.843 ng

RT: 19.789 min Scan# 2865

Delta R.T. -0.006 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

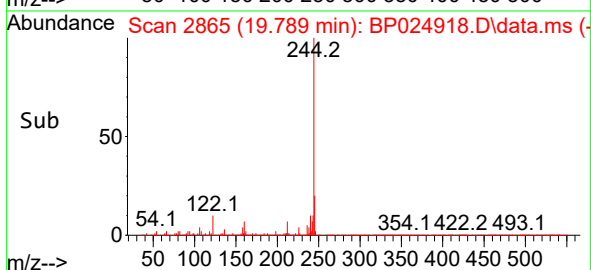
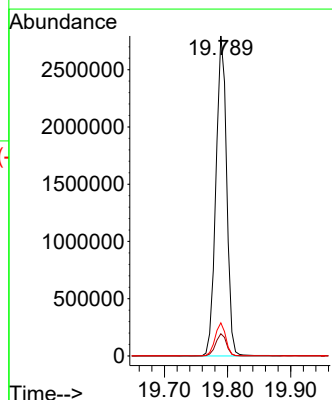
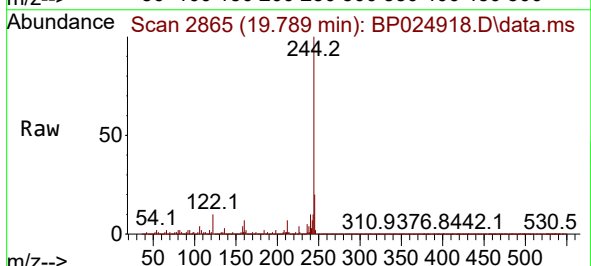
Tgt Ion:244 Resp: 3294499

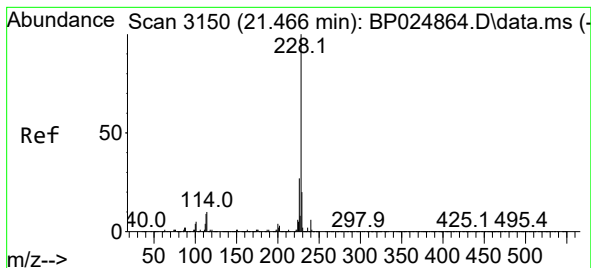
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.4 7.7 11.5





#81

Benzo(a)anthracene

Concen: 4.285 ng

RT: 21.477 min Scan# 3152

Delta R.T. 0.012 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

Instrument :

BNA_P

ClientSampleId :

TP-N

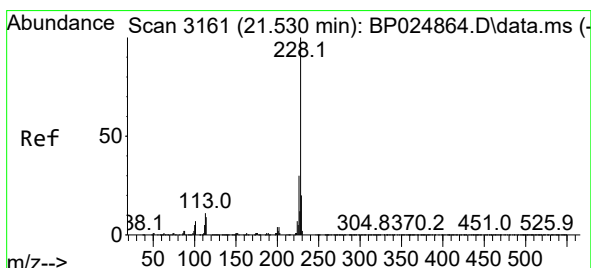
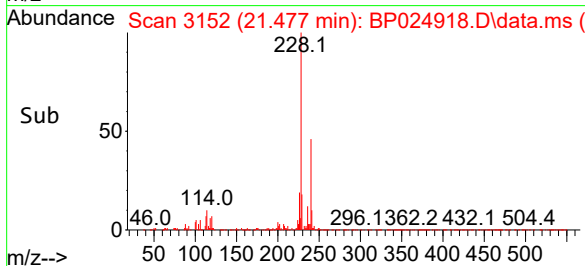
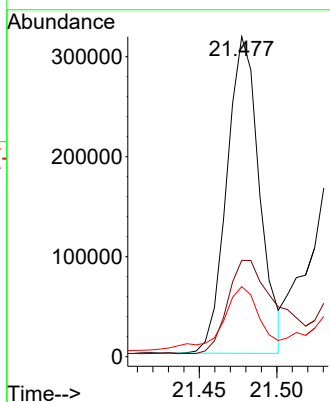
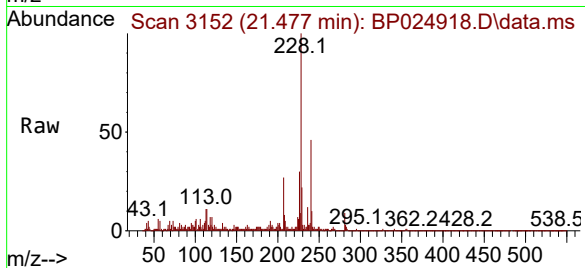
Tgt Ion:228 Resp: 464452

Ion Ratio Lower Upper

228 100

226 30.1 22.1 33.1

229 21.9 15.9 23.9



#83

Chrysene

Concen: 4.348 ng

RT: 21.542 min Scan# 3163

Delta R.T. 0.012 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

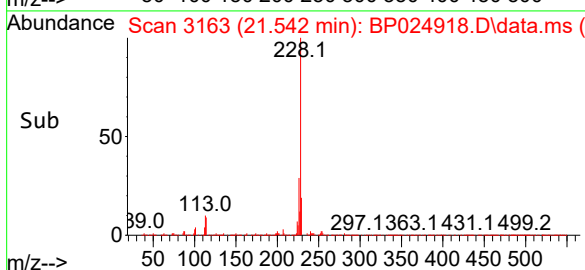
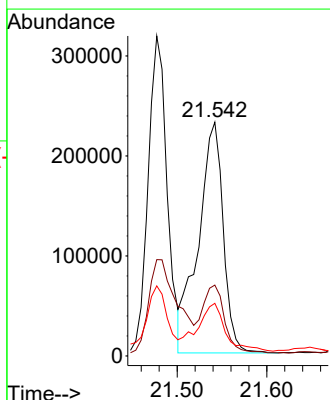
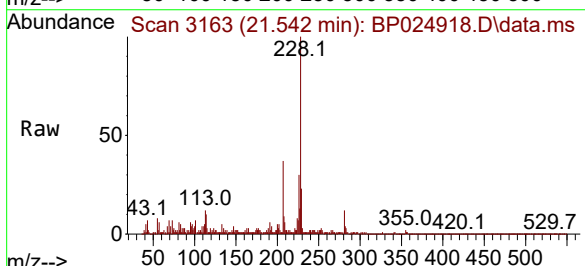
Tgt Ion:228 Resp: 446506

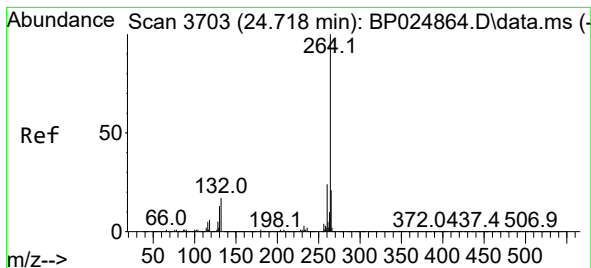
Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.6

229 22.5 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.754 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

Instrument :

BNA_P

ClientSampleId :

TP-N

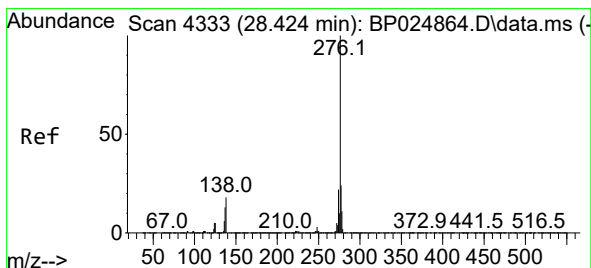
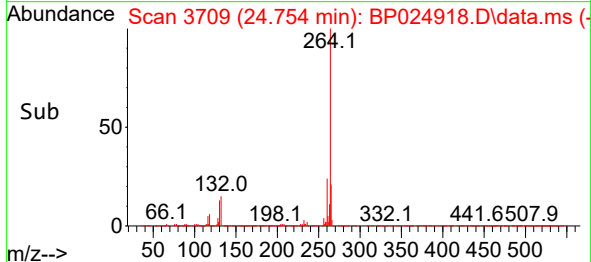
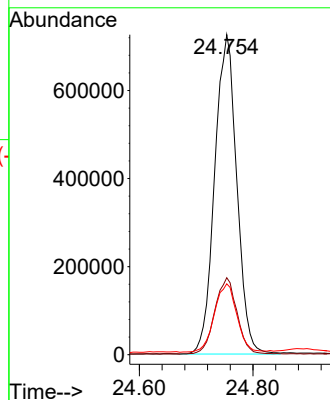
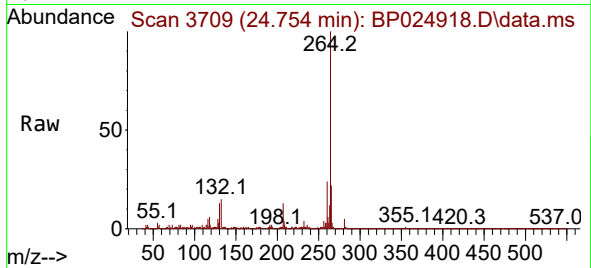
Tgt Ion:264 Resp: 1960741

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 22.2 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.399 ng

RT: 28.465 min Scan# 4340

Delta R.T. 0.041 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

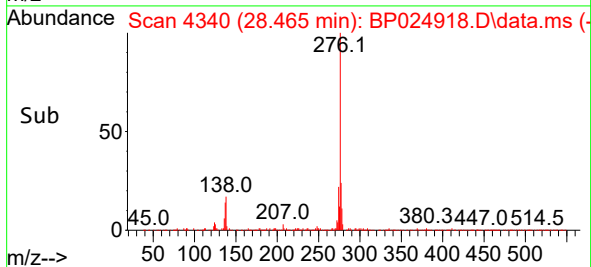
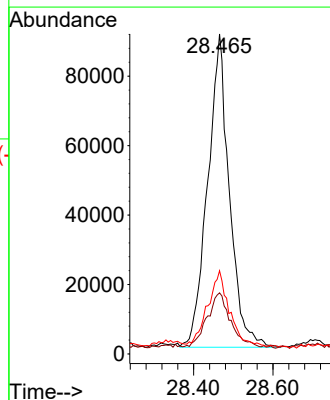
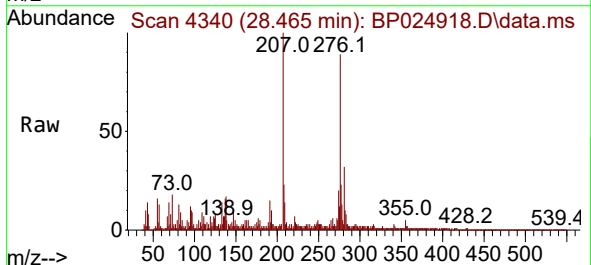
Tgt Ion:276 Resp: 343195

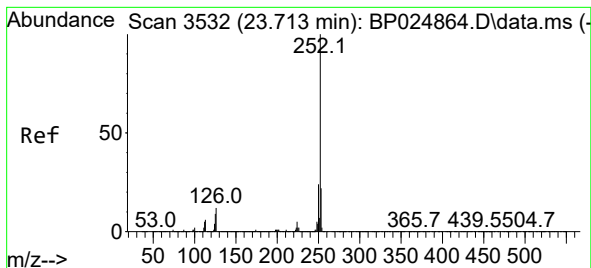
Ion Ratio Lower Upper

276 100

138 18.6 18.6 27.8

277 24.2 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 5.759 ng

RT: 23.736 min Scan# 3

Delta R.T. 0.023 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

Instrument :

BNA_P

ClientSampleId :

TP-N

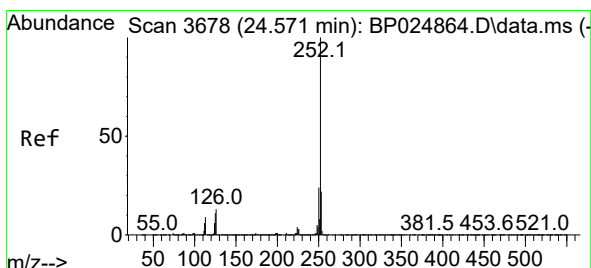
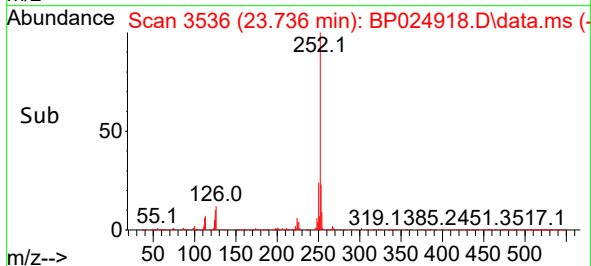
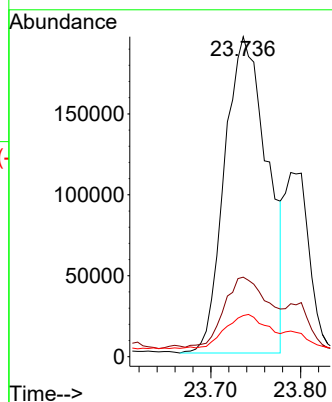
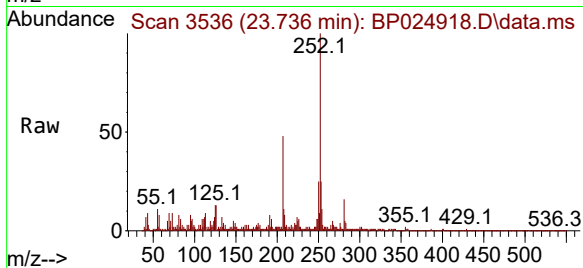
Tgt Ion:252 Resp: 646232

Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

125 12.9 7.1 10.7#



#90

Benzo(a)pyrene

Concen: 4.609 ng

RT: 24.601 min Scan# 3683

Delta R.T. 0.029 min

Lab File: BP024918.D

Acq: 11 Jun 2025 19:08

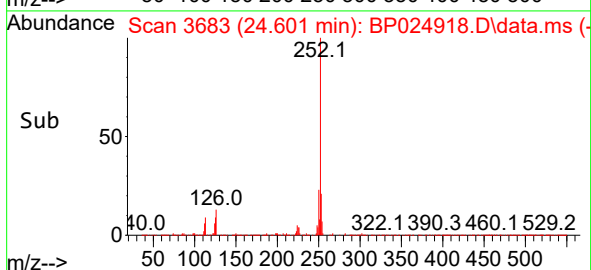
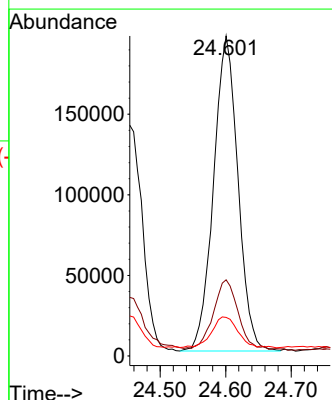
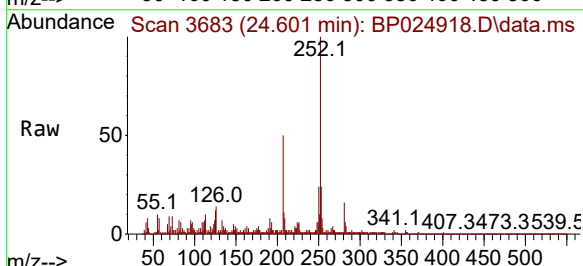
Tgt Ion:252 Resp: 505094

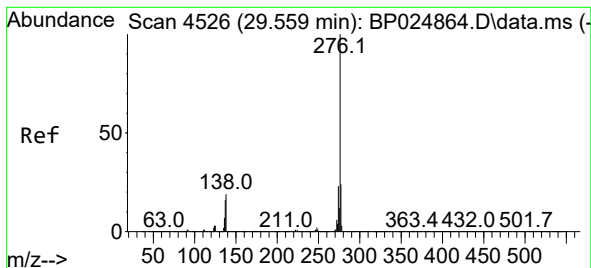
Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 12.1 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.996 ng

RT: 29.618 min Scan# 4

Delta R.T. 0.059 min

Lab File: BP024918.D

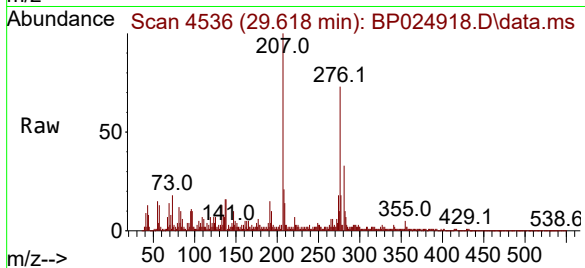
Acq: 11 Jun 2025 19:08

Instrument :

BNA_P

ClientSampleId :

TP-N



Tgt Ion:276 Resp: 346140

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 22.2 15.4 23.2

