

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024926.D
 Acq On : 12 Jun 2025 12:27
 Operator : RC/JU
 Sample : Q2274-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-13-MHP-WC

Quant Time: Jun 12 12:47:44 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)

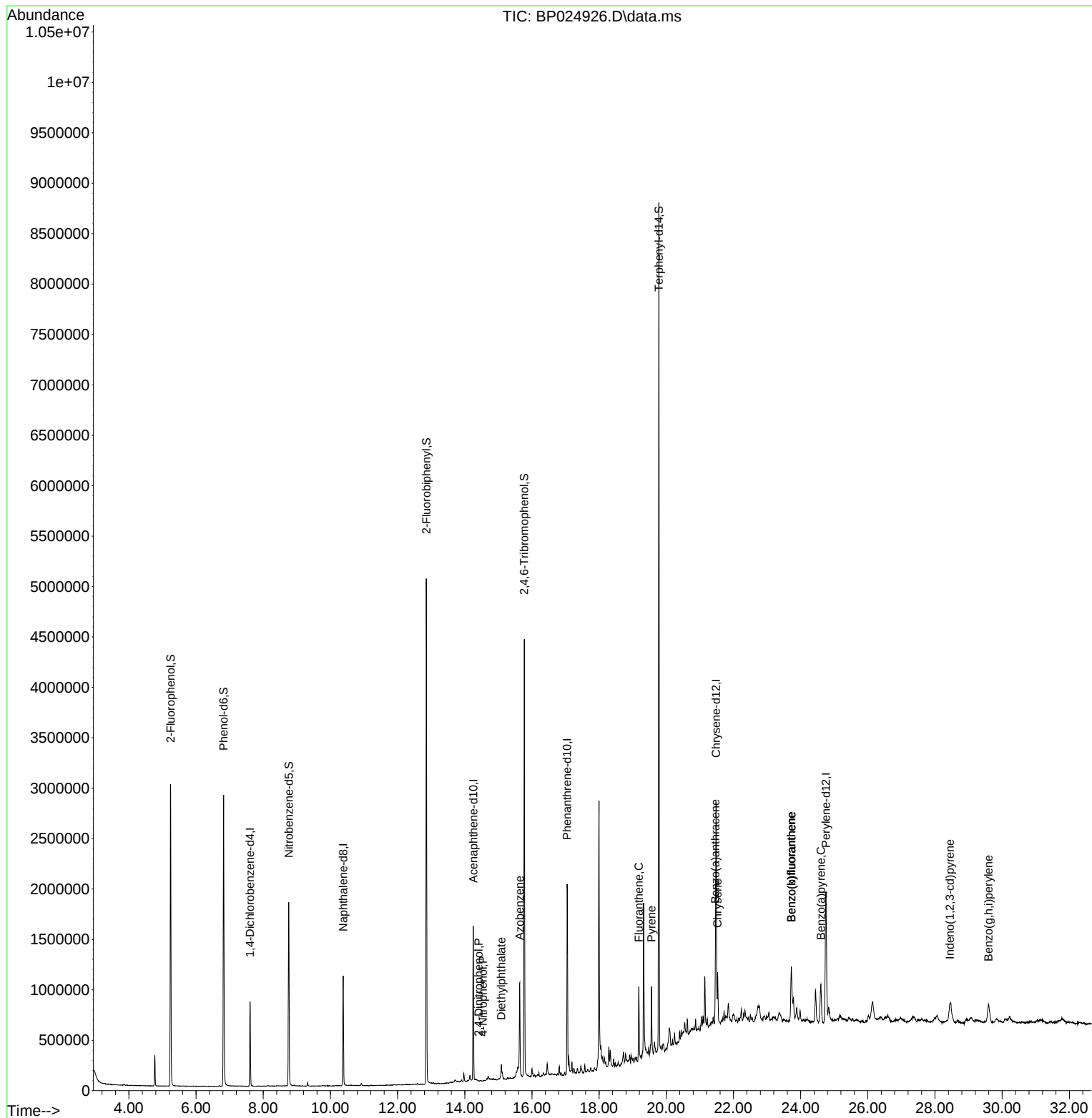
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	226503	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	899061	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	563938	20.000	ng	0.00
64) Phenanthrene-d10	17.048	188	1101150	20.000	ng	-0.01
76) Chrysene-d12	21.483	240	1148321	20.000	ng	0.00
86) Perylene-d12	24.754	264	1380686	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1363903	100.512	ng	0.00
7) Phenol-d6	6.819	99	1753766	97.682	ng	0.00
23) Nitrobenzene-d5	8.761	82	1092472	59.047	ng	0.00
42) 2,4,6-Tribromophenol	15.772	330	849666	108.977	ng	-0.01
45) 2-Fluorobiphenyl	12.854	172	2470732	59.020	ng	0.00
79) Terphenyl-d14	19.778	244	3951622	61.675	ng	-0.02
Target Compounds						Qvalue
54) 2,4-Dinitrophenol	14.413	184	49	5.571	ng	# 1
56) 4-Nitrophenol	14.543	139	312	5.446	ng	95
60) Diethylphthalate	15.090	149	94692	2.284	ng	99
63) Azobenzene	15.631	77	251922	6.625	ng	# 1
75) Fluoranthene	19.184	202	365682	5.185	ng	98
78) Pyrene	19.560	202	394372	5.497	ng	100
81) Benzo(a)anthracene	21.460	228	384309	5.233	ng	98
83) Chrysene	21.525	228	362341	5.207	ng	97
87) Indeno(1,2,3-cd)pyrene	28.442	276	329619	3.272	ng	# 71
88) Benzo(b)fluoranthene	23.724	252	591464	7.485	ng	97
89) Benzo(k)fluoranthene	23.724	252	591464	7.354	ng	98
90) Benzo(a)pyrene	24.601	252	434370	5.629	ng	100
92) Benzo(g,h,i)perylene	29.595	276	326296	4.011	ng	99

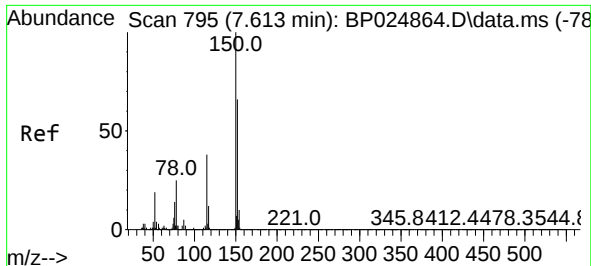
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024926.D
Acq On : 12 Jun 2025 12:27
Operator : RC/JU
Sample : Q2274-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-13-MHP-WC

Quant Time: Jun 12 12:47:44 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

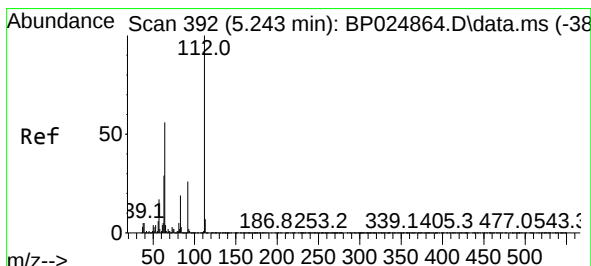
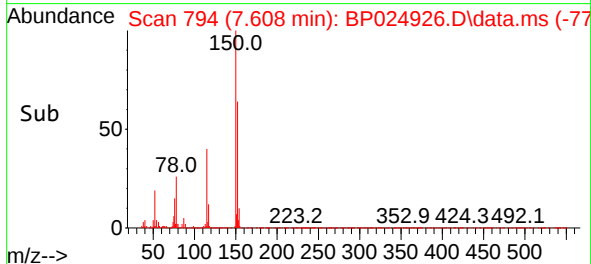
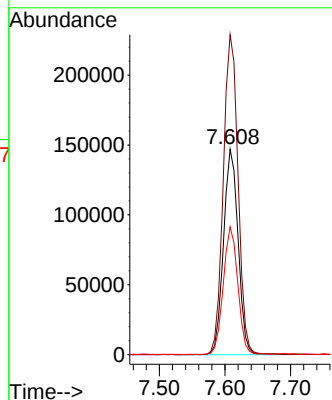
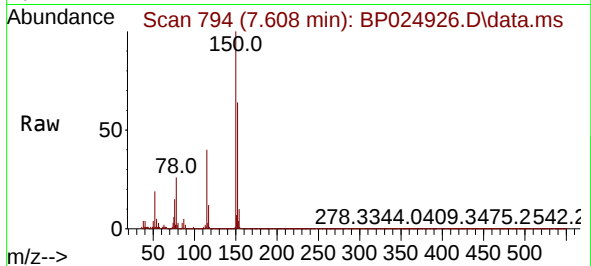




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

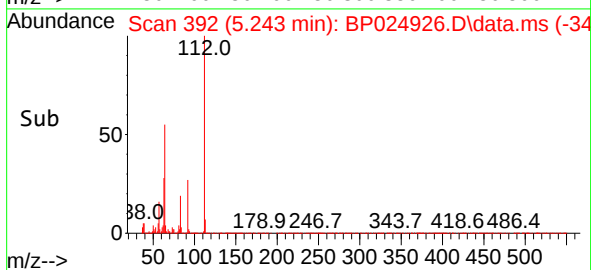
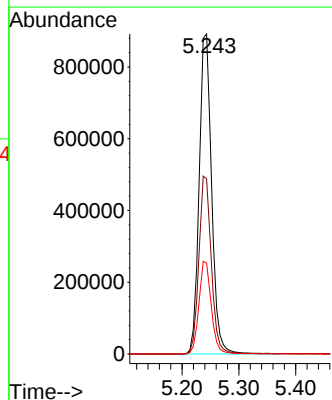
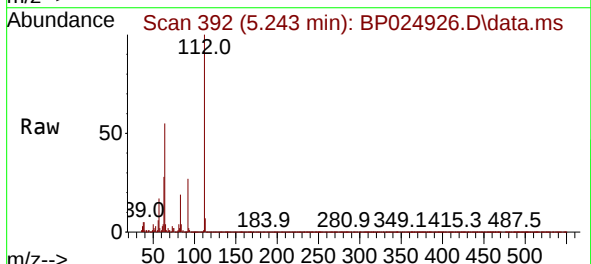
Instrument :
BNA_P
ClientSampleId :
TP-13-MHP-WC

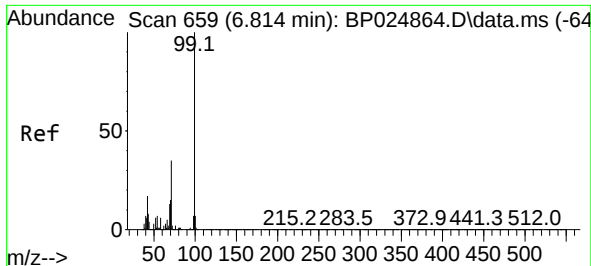
Tgt Ion:152 Resp: 226503
Ion Ratio Lower Upper
152 100
150 155.8 122.1 183.1
115 62.3 46.4 69.6



#5
2-Fluorophenol
Concen: 100.512 ng
RT: 5.243 min Scan# 392
Delta R.T. 0.000 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

Tgt Ion:112 Resp: 1363903
Ion Ratio Lower Upper
112 100
64 54.7 44.7 67.1
63 28.4 23.5 35.3

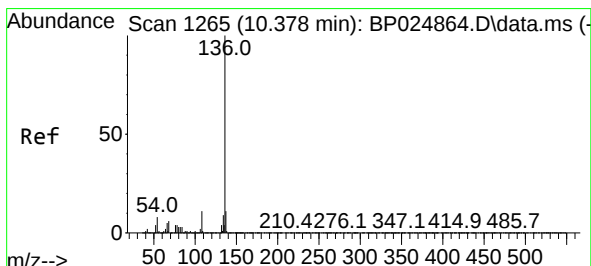
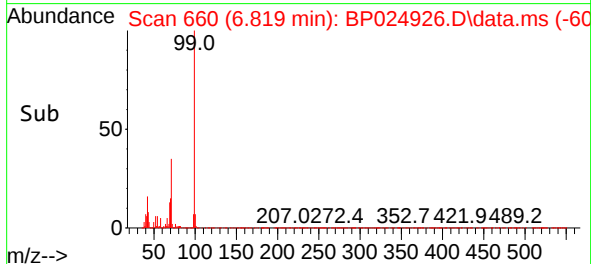
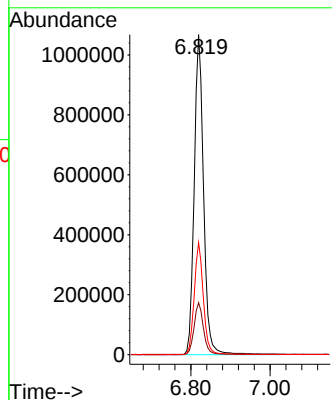
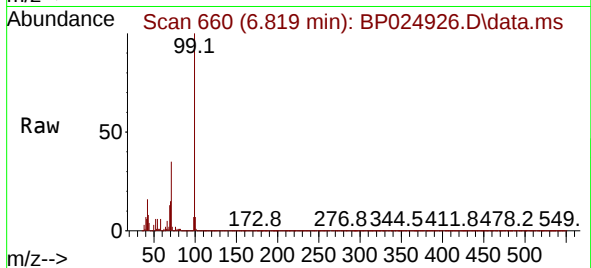




#7
Phenol-d6
Concen: 97.682 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

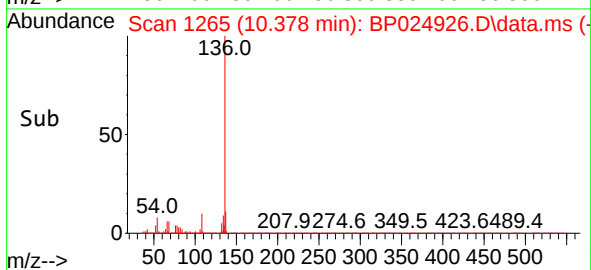
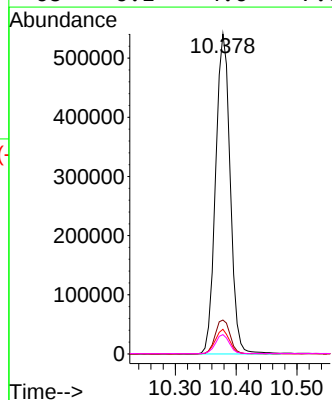
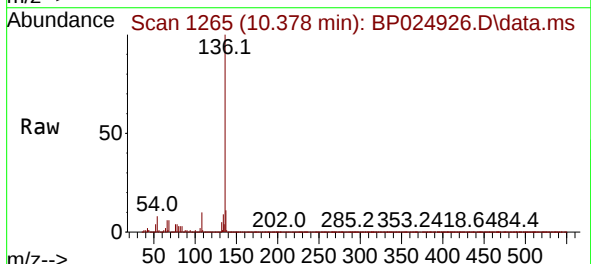
Instrument :
BNA_P
ClientSampleId :
TP-13-MHP-WC

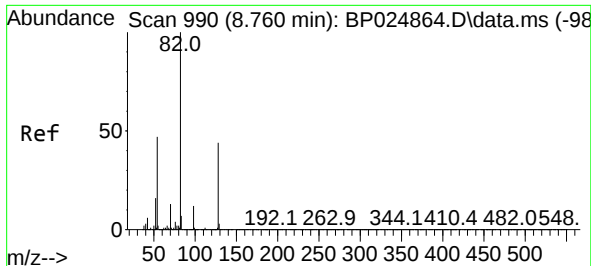
Tgt Ion: 99 Resp: 1753766
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.2
71 35.0 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

Tgt Ion: 136 Resp: 899061
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.7 6.1 9.1
68 6.1 4.6 7.0

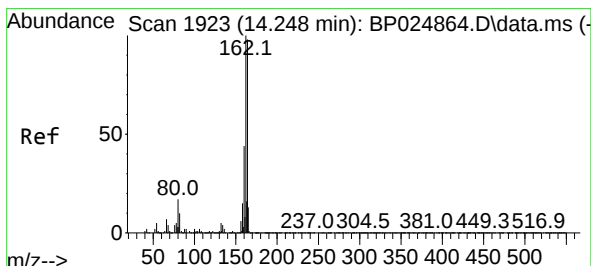
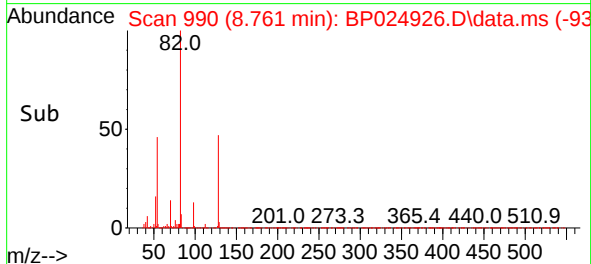
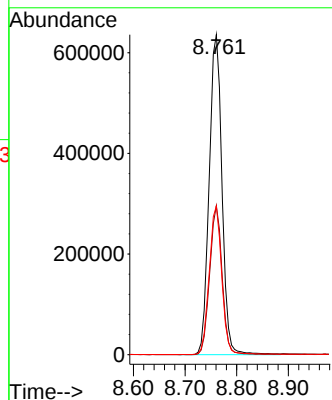
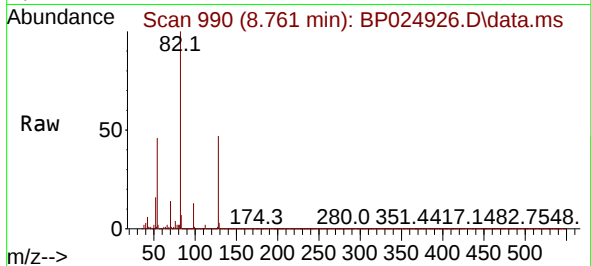




#23
Nitrobenzene-d5
Concen: 59.047 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

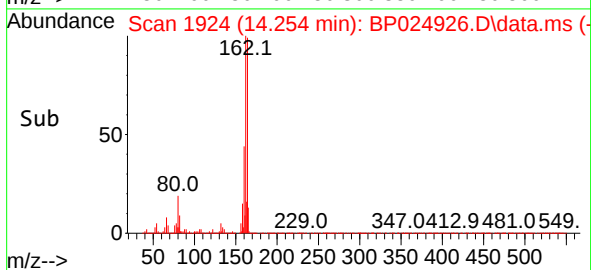
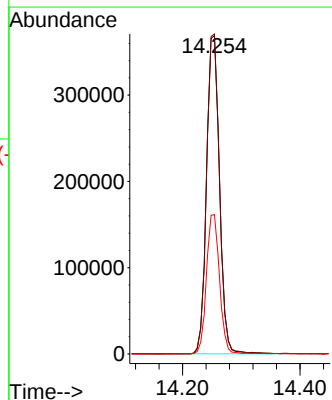
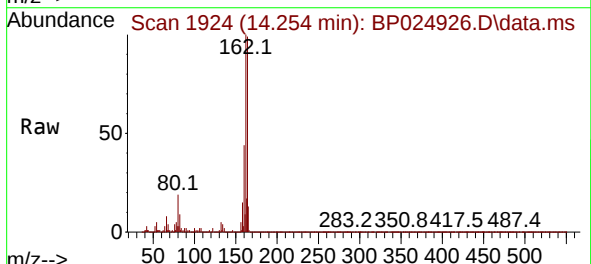
Instrument :
BNA_P
ClientSampleId :
TP-13-MHP-WC

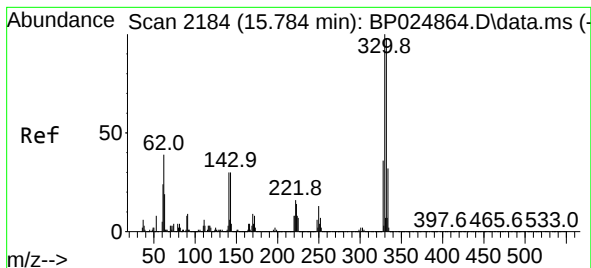
Tgt Ion: 82 Resp: 1092472
Ion Ratio Lower Upper
82 100
128 46.6 35.3 52.9
54 46.5 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

Tgt Ion:164 Resp: 563938
Ion Ratio Lower Upper
164 100
162 100.6 81.6 122.4
160 43.8 36.2 54.2

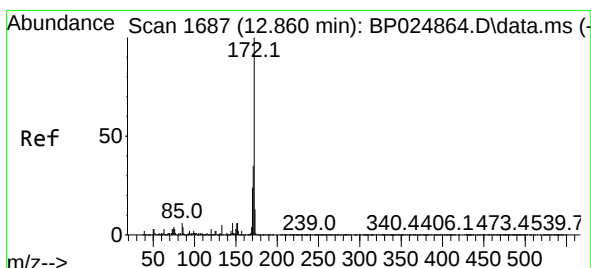
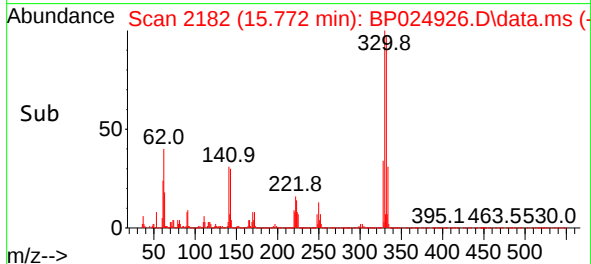
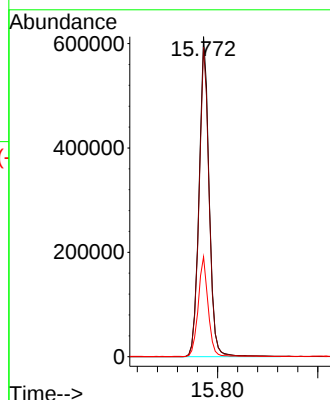
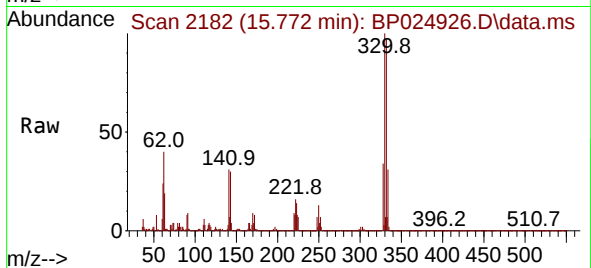




#42
2,4,6-Tribromophenol
Concen: 108.977 ng
RT: 15.772 min Scan# 2184
Delta R.T. -0.012 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

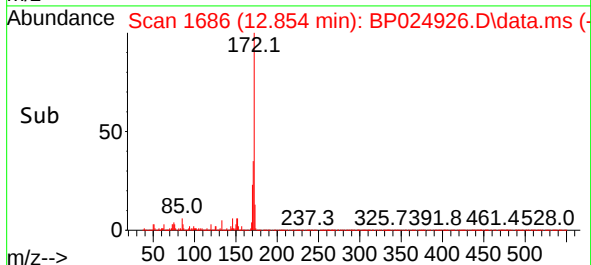
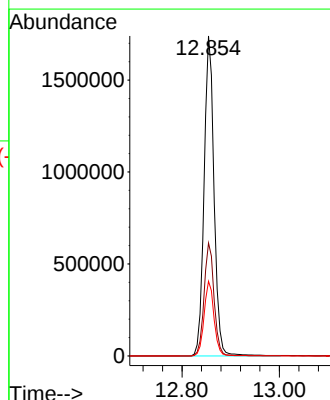
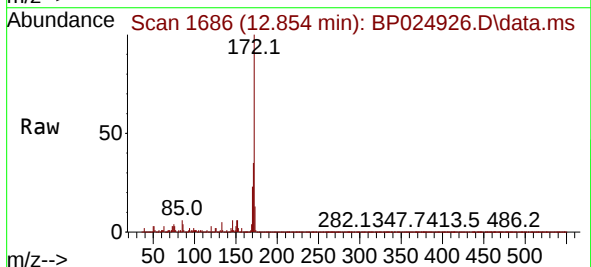
Instrument :
BNA_P
ClientSampleId :
TP-13-MHP-WC

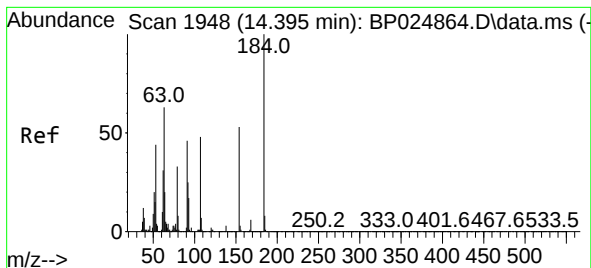
Tgt Ion:330 Resp: 849666
Ion Ratio Lower Upper
330 100
332 96.7 77.7 116.5
141 30.4 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 59.020 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

Tgt Ion:172 Resp: 2470732
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.4 19.0 28.4

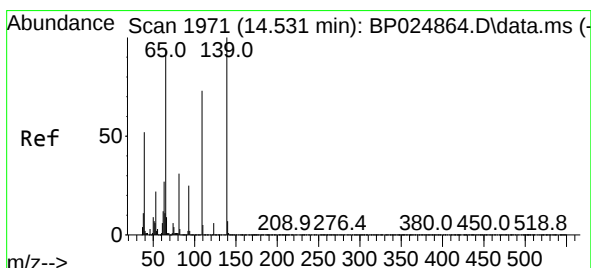
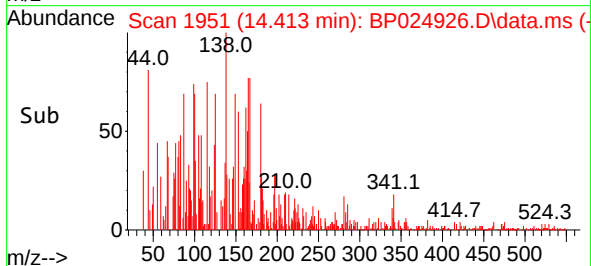
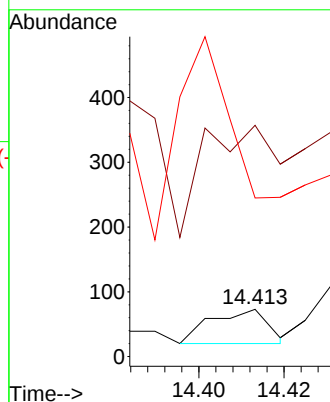
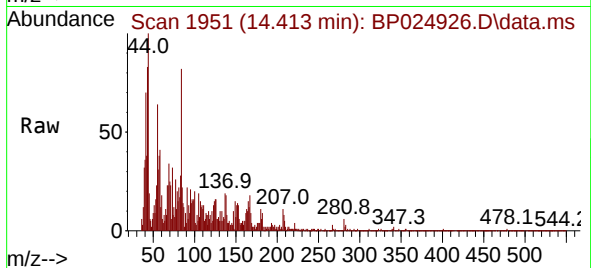




#54
2,4-Dinitrophenol
Concen: 5.571 ng
RT: 14.413 min Scan# 1951
Delta R.T. 0.018 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

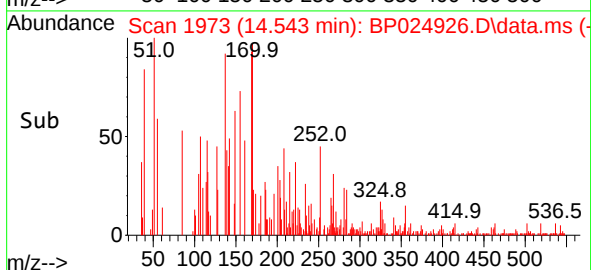
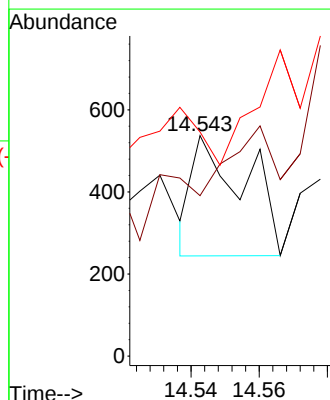
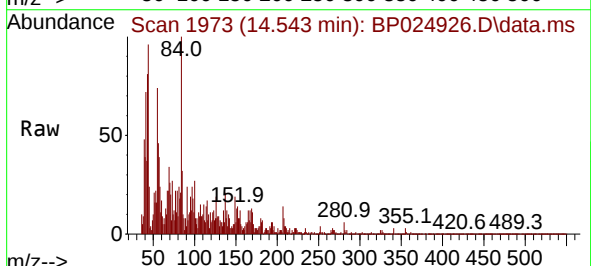
Instrument :
BNA_P
ClientSampleId :
TP-13-MHP-WC

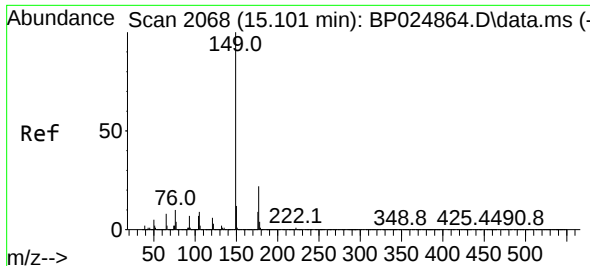
Tgt Ion:184 Resp: 49
Ion Ratio Lower Upper
184 100
63 489.0 51.0 76.4#
154 335.6 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.446 ng
RT: 14.543 min Scan# 1973
Delta R.T. 0.012 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

Tgt Ion:139 Resp: 312
Ion Ratio Lower Upper
139 100
109 72.8 53.1 93.1
65 101.7 73.0 113.0

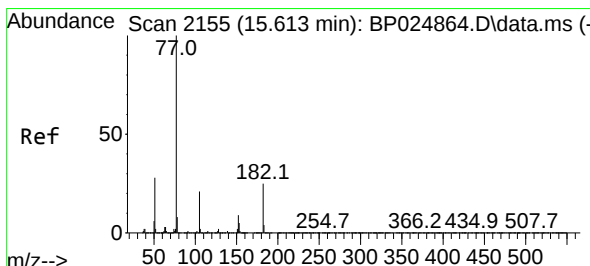
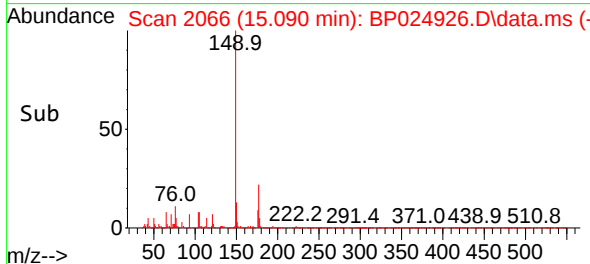
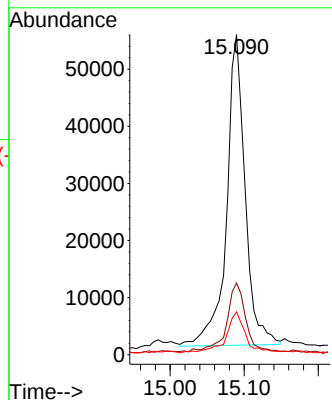
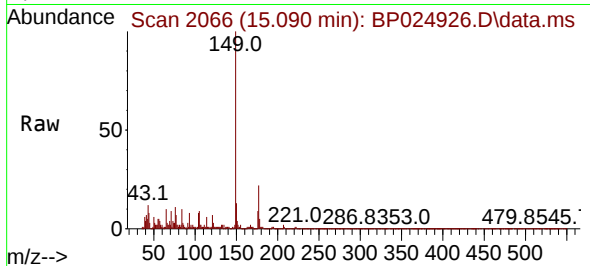




#60
Diethylphthalate
Concen: 2.284 ng
RT: 15.090 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

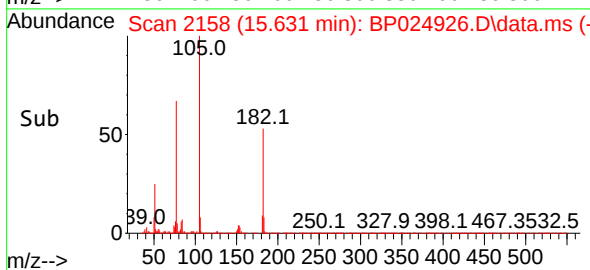
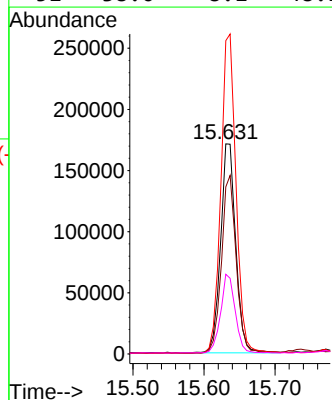
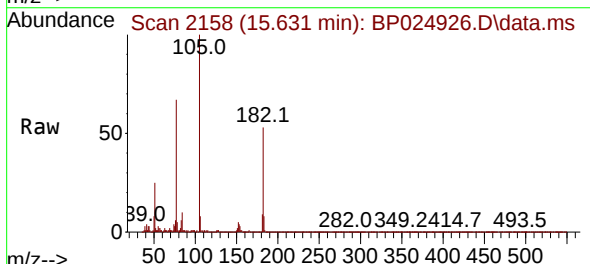
Instrument :
BNA_P
ClientSampleId :
TP-13-MHP-WC

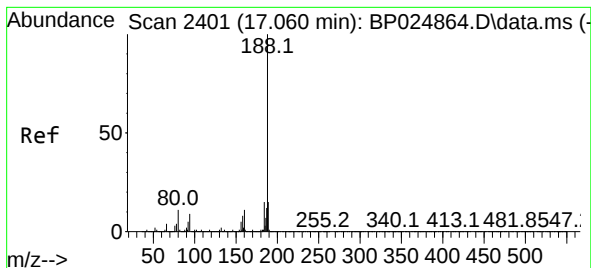
Tgt Ion:149 Resp: 94692
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 13.4 9.8 14.6



#63
Azobenzene
Concen: 6.625 ng
RT: 15.631 min Scan# 2158
Delta R.T. 0.018 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

Tgt Ion: 77 Resp: 251922
Ion Ratio Lower Upper
77 100
182 79.5 5.4 45.4#
105 149.2 0.8 40.8#
51 38.0 8.1 48.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.048 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024926.D

Acq: 12 Jun 2025 12:27

Instrument :

BNA_P

ClientSampleId :

TP-13-MHP-WC

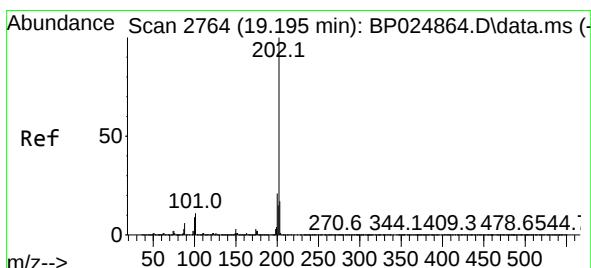
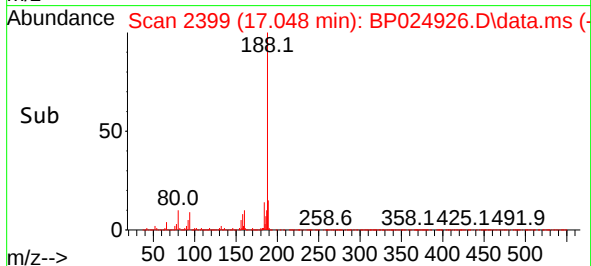
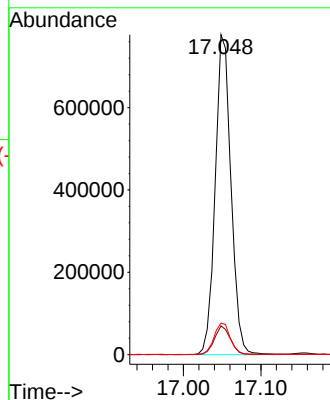
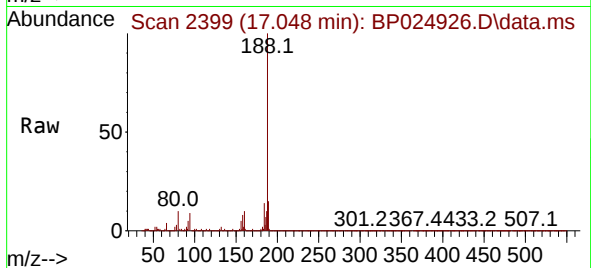
Tgt Ion:188 Resp: 1101150

Ion Ratio Lower Upper

188 100

94 9.0 7.3 10.9

80 9.9 8.5 12.7



#75

Fluoranthene

Concen: 5.185 ng

RT: 19.184 min Scan# 2762

Delta R.T. -0.012 min

Lab File: BP024926.D

Acq: 12 Jun 2025 12:27

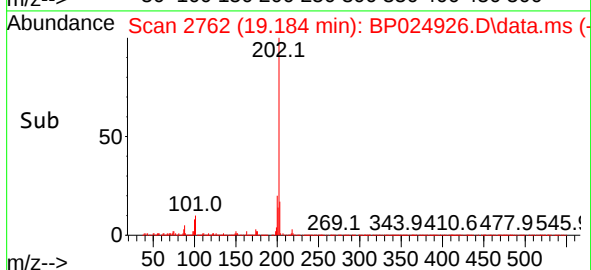
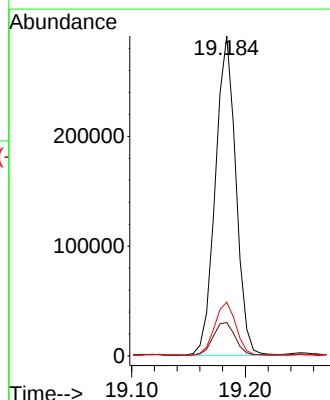
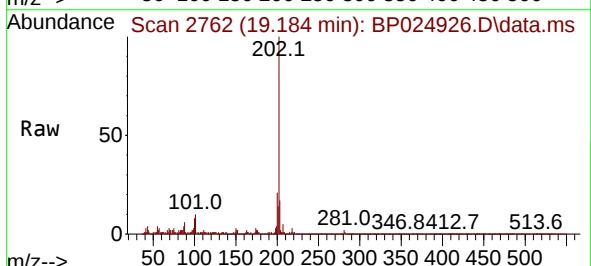
Tgt Ion:202 Resp: 365682

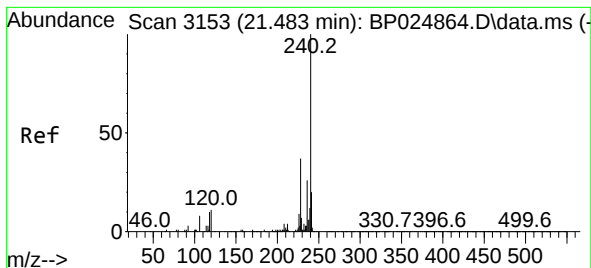
Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.4

203 16.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.483 min Scan# 3153

Delta R.T. 0.000 min

Lab File: BP024926.D

Acq: 12 Jun 2025 12:27

Instrument :

BNA_P

ClientSampleId :

TP-13-MHP-WC

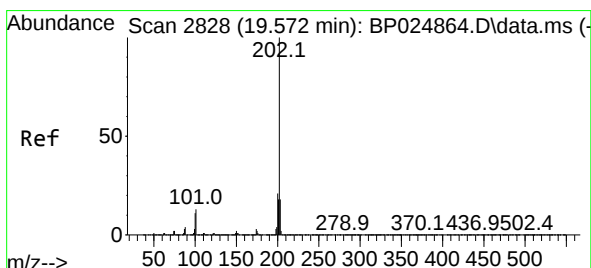
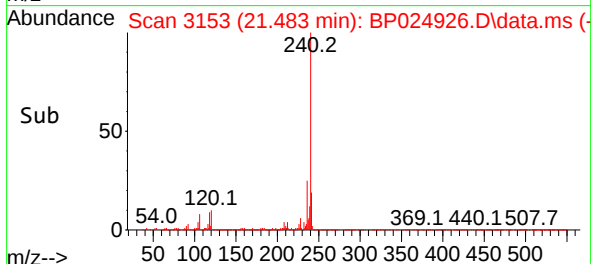
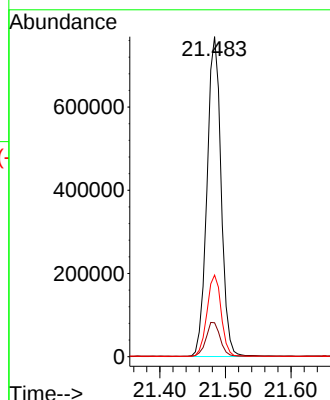
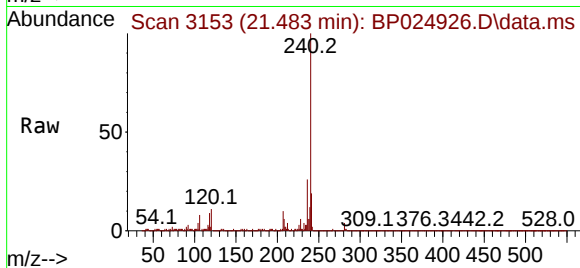
Tgt Ion:240 Resp: 1148321

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

236 25.5 20.9 31.3



#78

Pyrene

Concen: 5.497 ng

RT: 19.560 min Scan# 2826

Delta R.T. -0.012 min

Lab File: BP024926.D

Acq: 12 Jun 2025 12:27

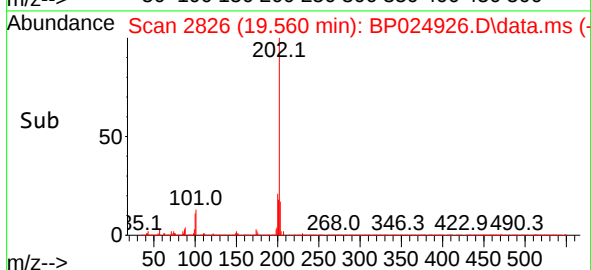
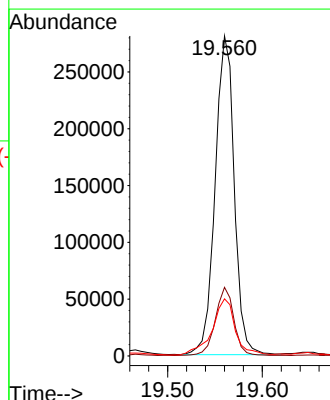
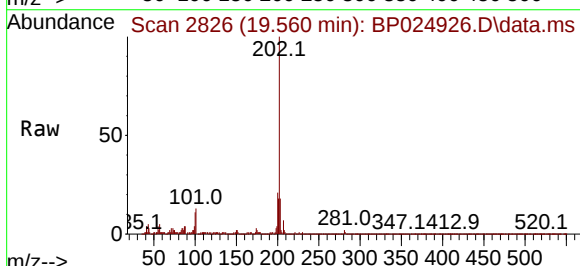
Tgt Ion:202 Resp: 394372

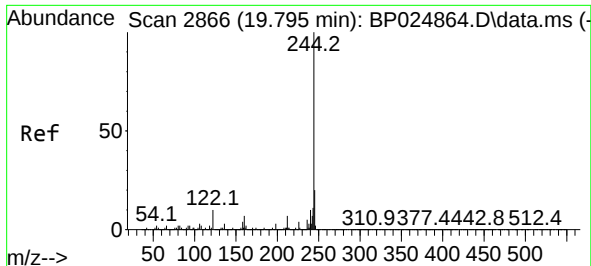
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.9 14.0 21.0

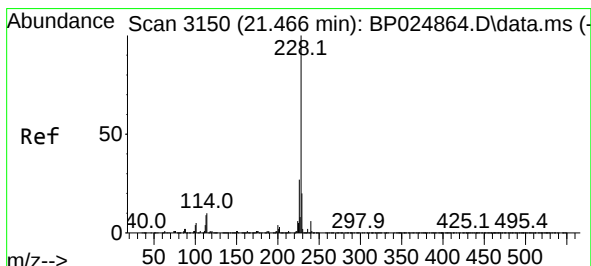
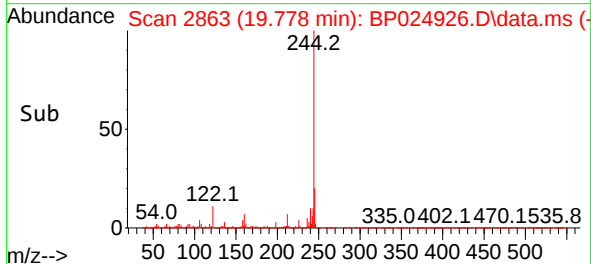
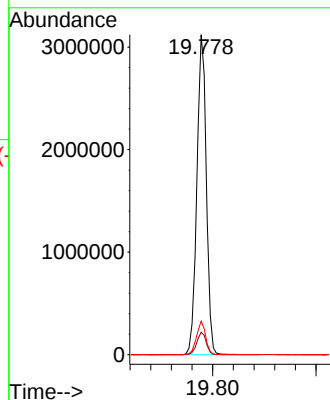
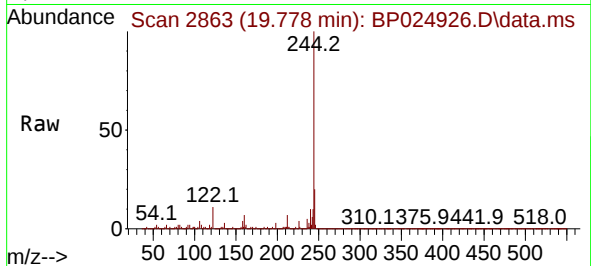




#79
 Terphenyl-d14
 Concen: 61.675 ng
 RT: 19.778 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BP024926.D
 Acq: 12 Jun 2025 12:27

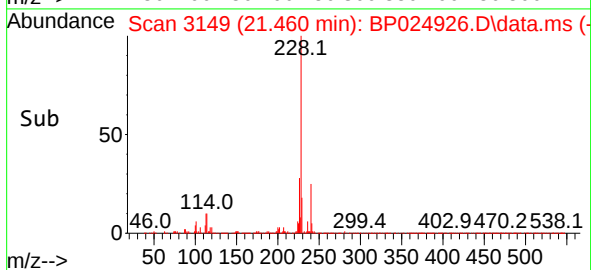
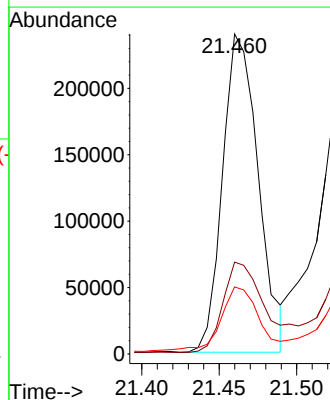
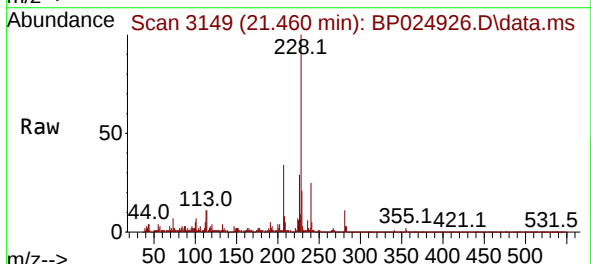
Instrument :
 BNA_P
 ClientSampleId :
 TP-13-MHP-WC

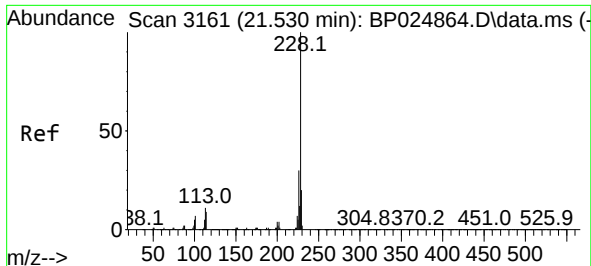
Tgt Ion:244 Resp: 3951622
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.5 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 5.233 ng
 RT: 21.460 min Scan# 3149
 Delta R.T. -0.006 min
 Lab File: BP024926.D
 Acq: 12 Jun 2025 12:27

Tgt Ion:228 Resp: 384309
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.1 33.1
 229 21.0 15.9 23.9

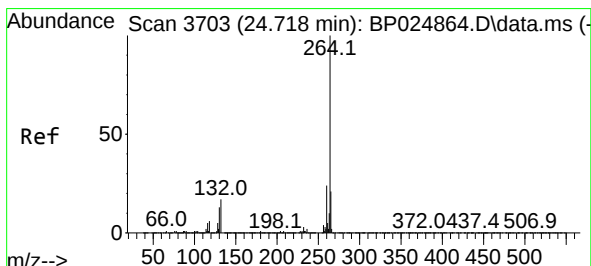
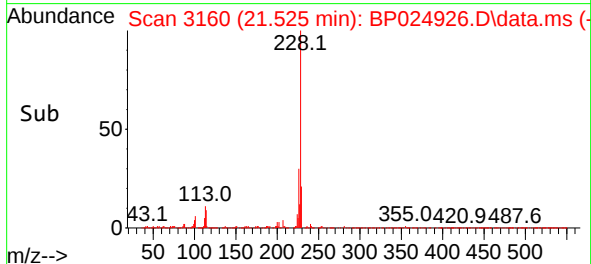
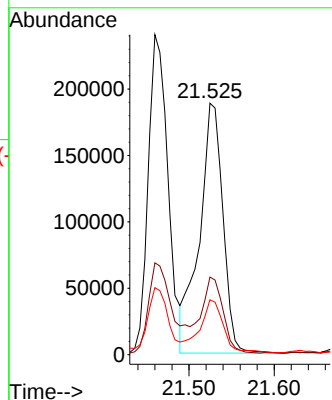
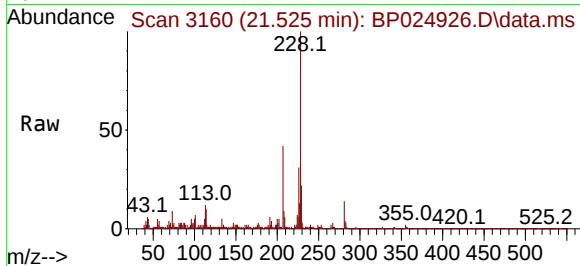




#83
Chrysene
Concen: 5.207 ng
RT: 21.525 min Scan# 3161
Delta R.T. -0.006 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

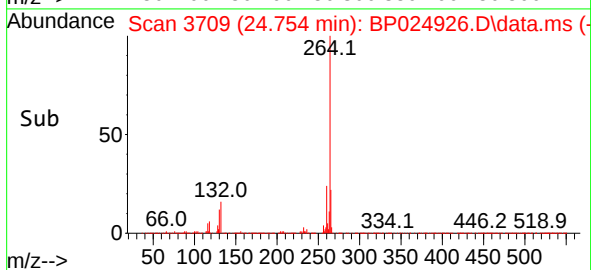
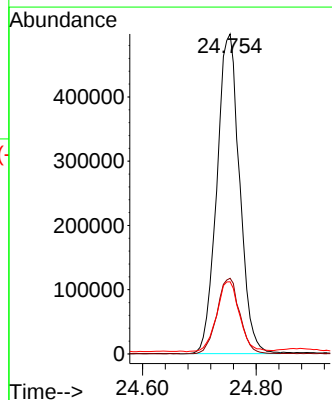
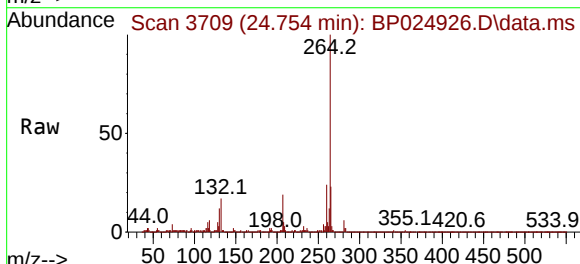
Instrument :
BNA_P
ClientSampleId :
TP-13-MHP-WC

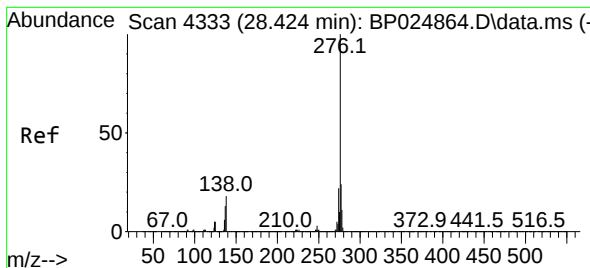
Tgt Ion:	228	Resp:	362341
Ion Ratio	Lower	Upper	
228	100		
226	30.9	23.8	35.6
229	21.8	15.6	23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.754 min Scan# 3709
Delta R.T. 0.035 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

Tgt Ion:	264	Resp:	1380686
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.0	28.4
265	22.6	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.272 ng

RT: 28.442 min Scan# 41

Delta R.T. 0.018 min

Lab File: BP024926.D

Acq: 12 Jun 2025 12:27

Instrument :

BNA_P

ClientSampleId :

TP-13-MHP-WC

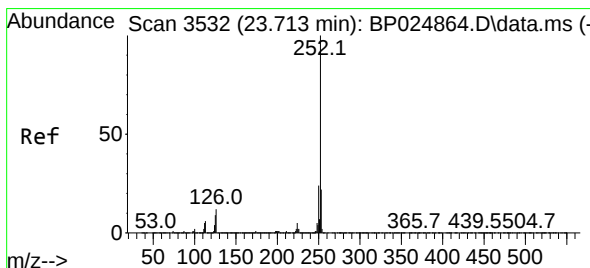
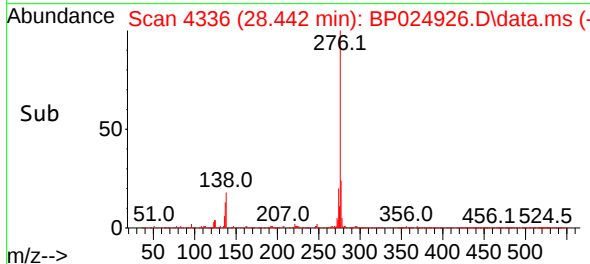
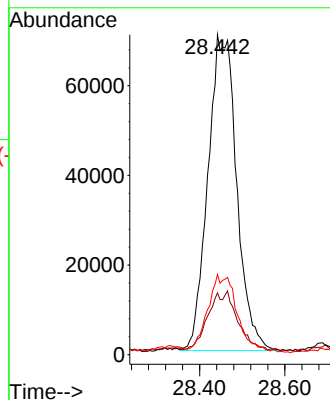
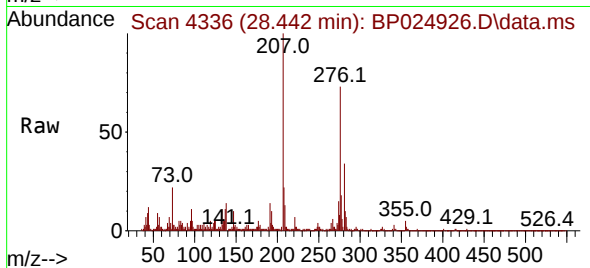
Tgt Ion:276 Resp: 329619

Ion Ratio Lower Upper

276 100

138 9.7 18.6 27.8#

277 10.4 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 7.485 ng

RT: 23.724 min Scan# 3534

Delta R.T. 0.012 min

Lab File: BP024926.D

Acq: 12 Jun 2025 12:27

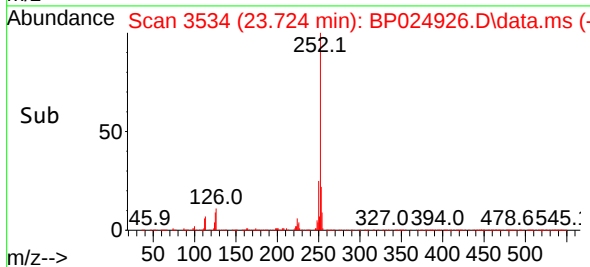
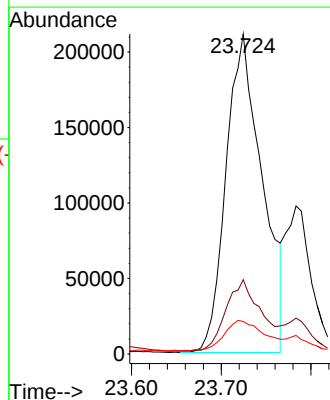
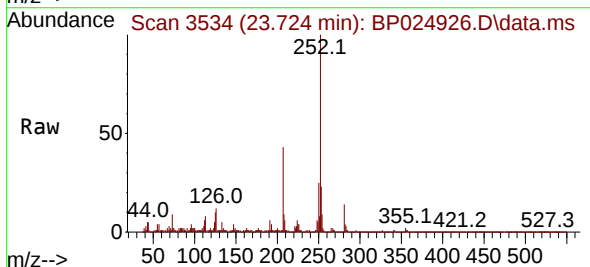
Tgt Ion:252 Resp: 591464

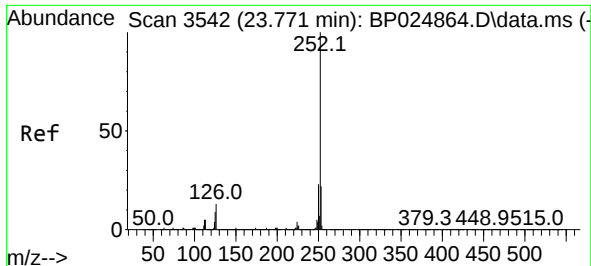
Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 10.2 7.1 10.7

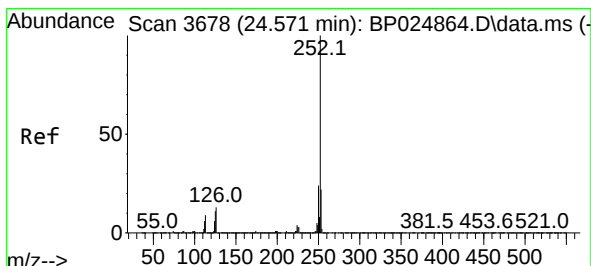
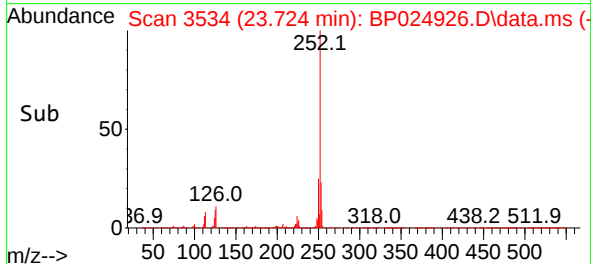
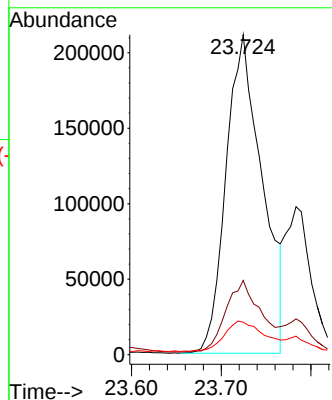
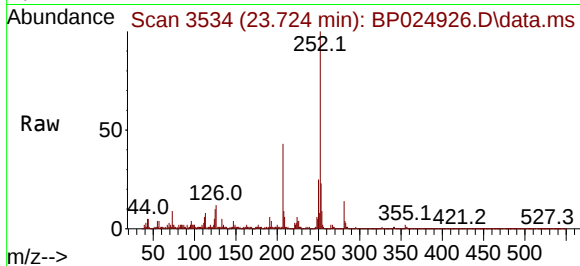




#89
Benzo(k)fluoranthene
Concen: 7.354 ng
RT: 23.724 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

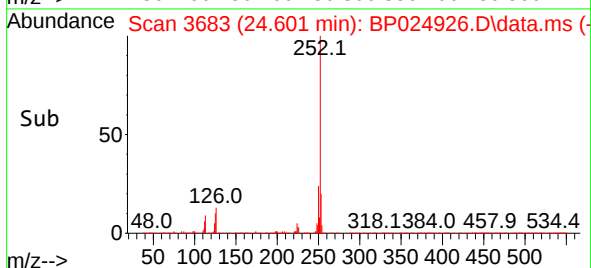
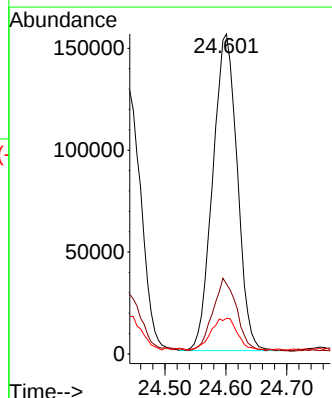
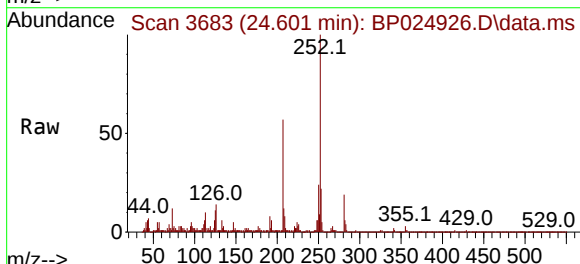
Instrument :
BNA_P
ClientSampleId :
TP-13-MHP-WC

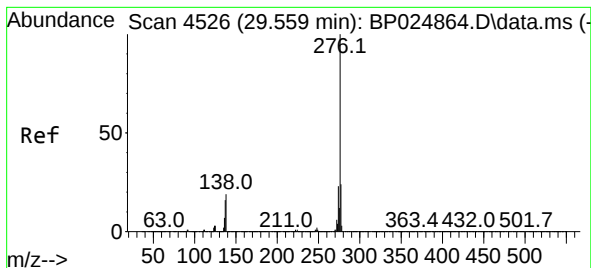
Tgt Ion:252 Resp: 591464
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 10.2 7.4 11.0



#90
Benzo(a)pyrene
Concen: 5.629 ng
RT: 24.601 min Scan# 3683
Delta R.T. 0.029 min
Lab File: BP024926.D
Acq: 12 Jun 2025 12:27

Tgt Ion:252 Resp: 434370
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 11.1 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 4.011 ng

RT: 29.595 min Scan# 4532

Delta R.T. 0.035 min

Lab File: BP024926.D

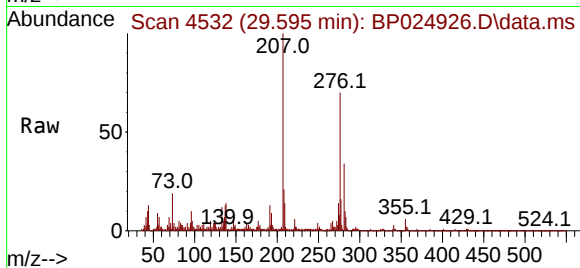
Acq: 12 Jun 2025 12:27

Instrument :

BNA_P

ClientSampleId :

TP-13-MHP-WC



Tgt Ion:276 Resp: 326296

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 20.2 15.4 23.2

