

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024930.D
 Acq On : 12 Jun 2025 15:11
 Operator : RC/JU
 Sample : Q2271-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP12-MHK-WC

Quant Time: Jun 12 15:33:29 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)

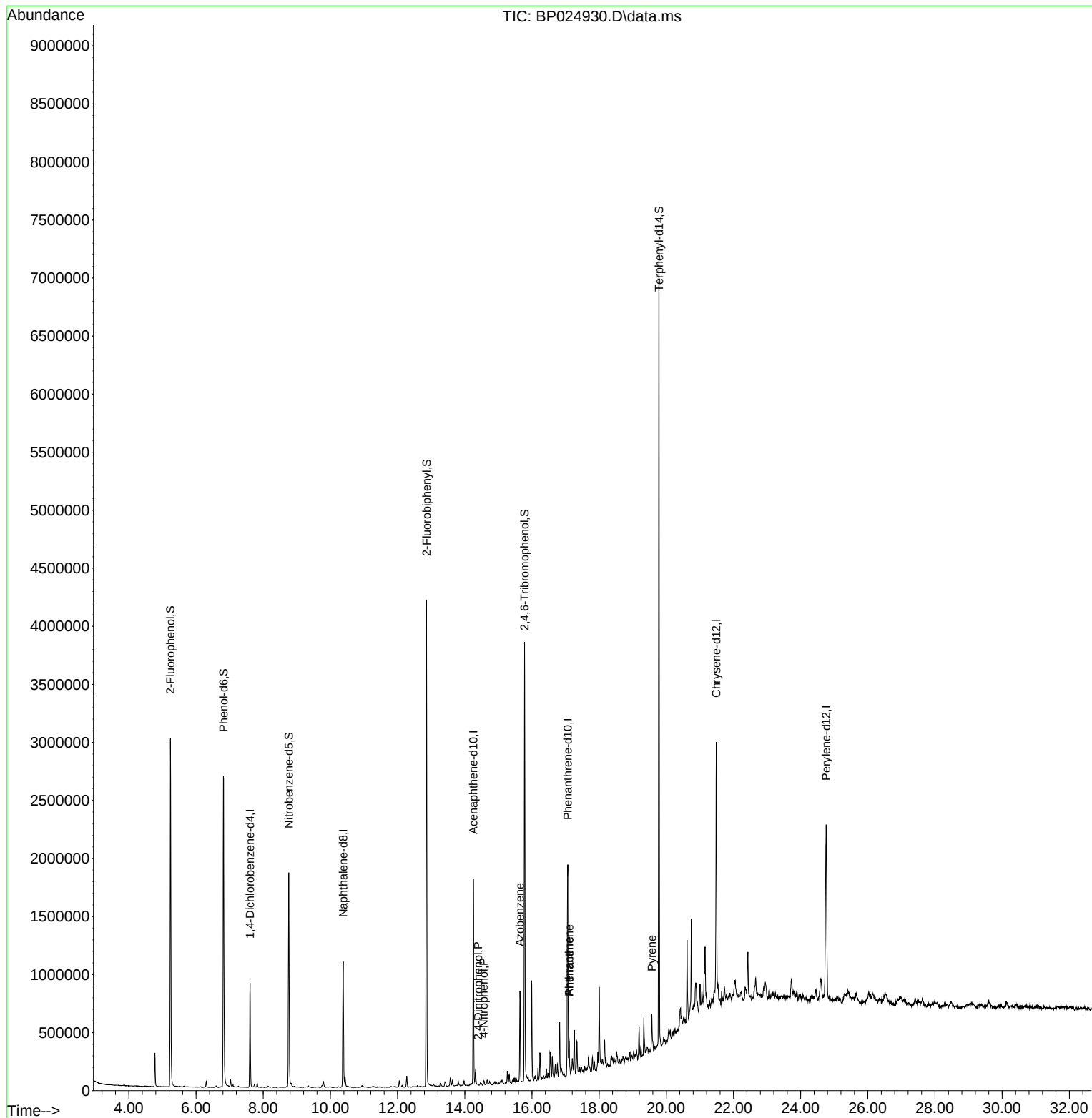
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	245358	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	947195	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	587336	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1137992	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1292808	20.000	ng	0.00
86) Perylene-d12	24.759	264	1571882	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1397507	95.074	ng	0.00
7) Phenol-d6	6.813	99	1764265	90.715	ng	0.00
23) Nitrobenzene-d5	8.760	82	1086249	55.727	ng	0.00
42) 2,4,6-Tribromophenol	15.783	330	813403	100.170	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2214975	50.803	ng	0.00
79) Terphenyl-d14	19.783	244	3494484	48.445	ng	-0.01
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.401	184	60	5.573	ng	# 1
56) 4-Nitrophenol	14.560	139	1174	5.543	ng	# 70
63) Azobenzene	15.642	77	221968	5.605	ng	# 1
71) Phenanthrene	17.107	178	183392	2.916	ng	98
72) Anthracene	17.107	178	184358	2.895	ng	97
78) Pyrene	19.572	202	185997	2.303	ng	98

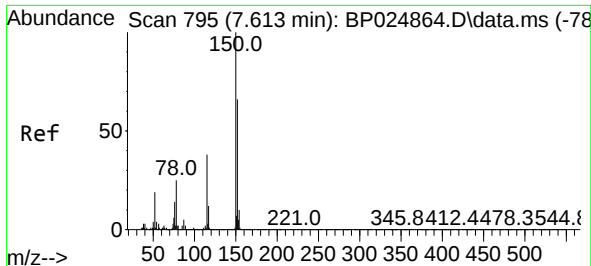
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024930.D
Acq On : 12 Jun 2025 15:11
Operator : RC/JU
Sample : Q2271-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP12-MHK-WC

Quant Time: Jun 12 15:33:29 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

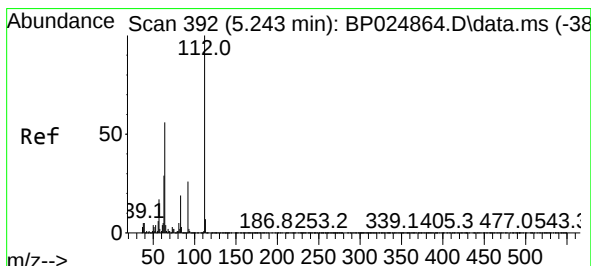
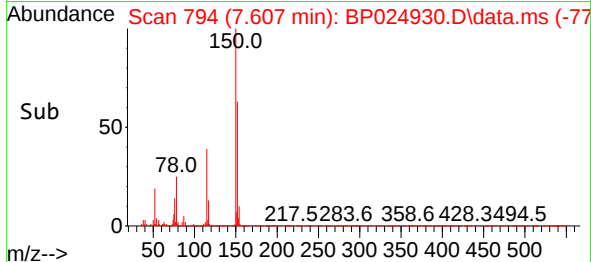
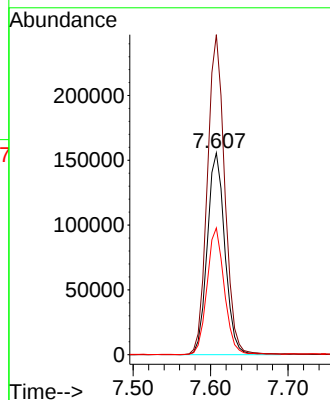
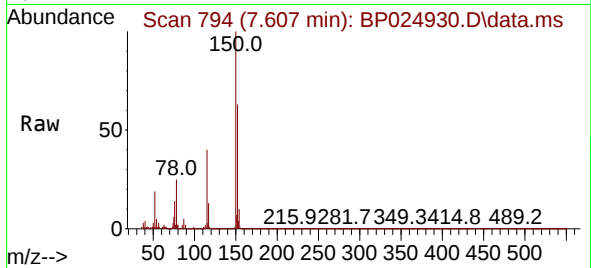




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024930.D
Acq: 12 Jun 2025 15:11

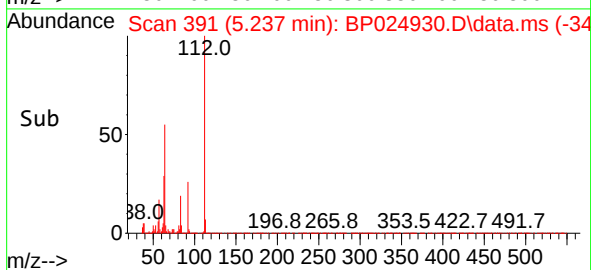
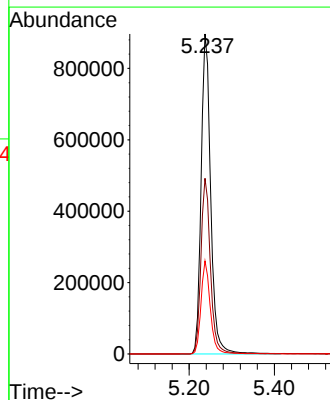
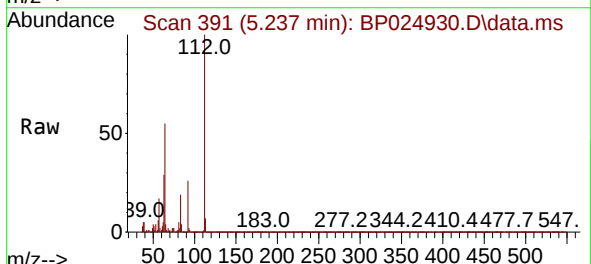
Instrument :
BNA_P
ClientSampleId :
TP12-MHK-WC

Tgt Ion:152 Resp: 245358
Ion Ratio Lower Upper
152 100
150 158.6 122.1 183.1
115 62.8 46.4 69.6



#5
2-Fluorophenol
Concen: 95.074 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024930.D
Acq: 12 Jun 2025 15:11

Tgt Ion:112 Resp: 1397507
Ion Ratio Lower Upper
112 100
64 54.9 44.7 67.1
63 29.0 23.5 35.3

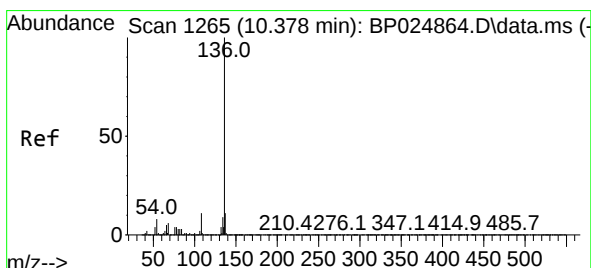
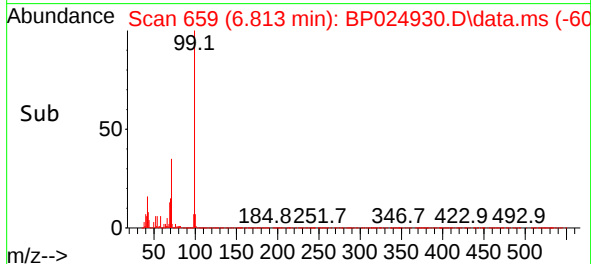
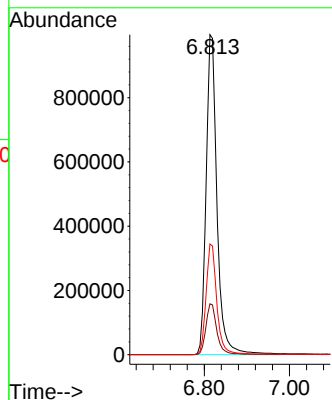
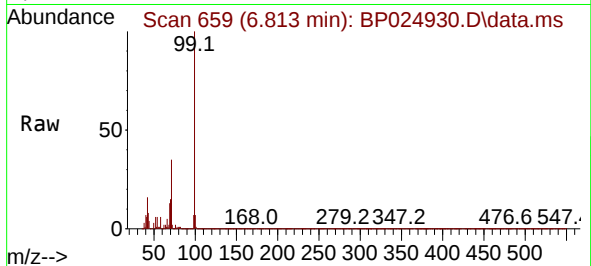




#7
Phenol-d6
Concen: 90.715 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024930.D
Acq: 12 Jun 2025 15:11

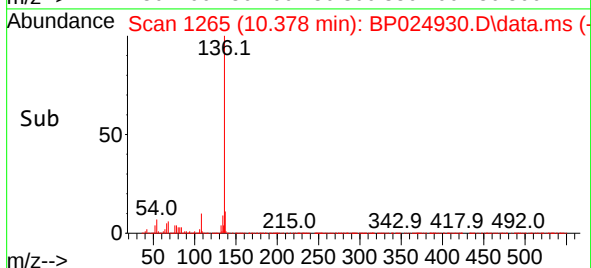
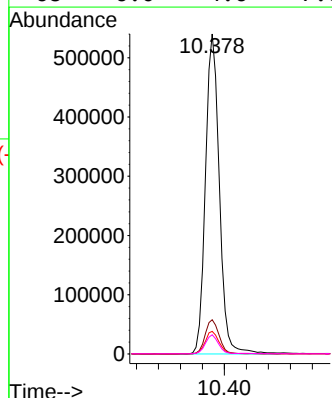
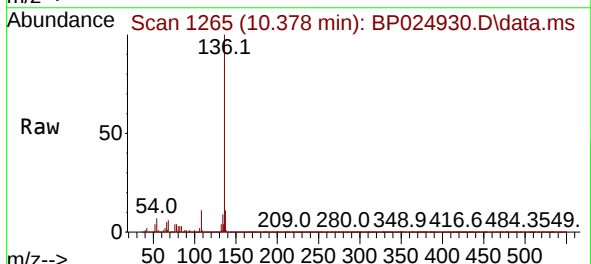
Instrument :
BNA_P
ClientSampleId :
TP12-MHK-WC

Tgt Ion: 99 Resp: 1764265
Ion Ratio Lower Upper
99 100
42 15.9 13.4 20.2
71 34.6 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: BP024930.D
Acq: 12 Jun 2025 15:11

Tgt Ion:136 Resp: 947195
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.0 6.1 9.1
68 6.0 4.6 7.0

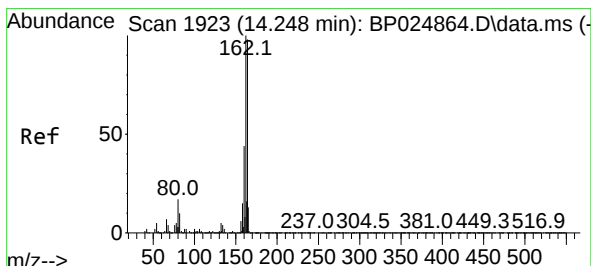
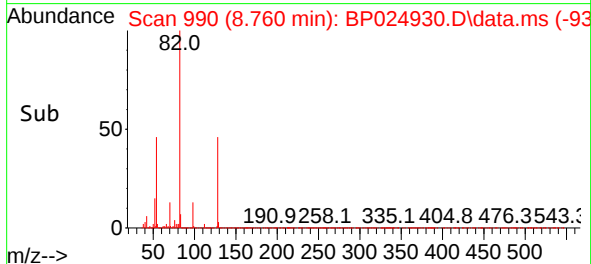
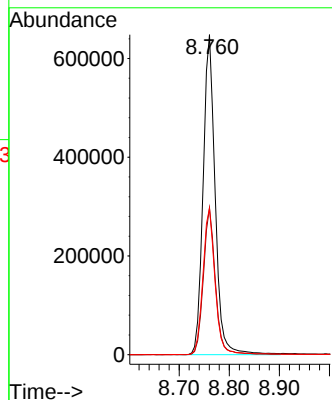
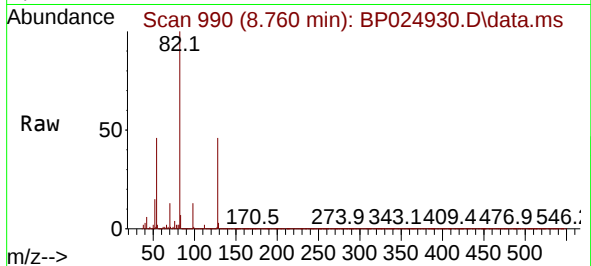




#23
Nitrobenzene-d5
Concen: 55.727 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024930.D
Acq: 12 Jun 2025 15:11

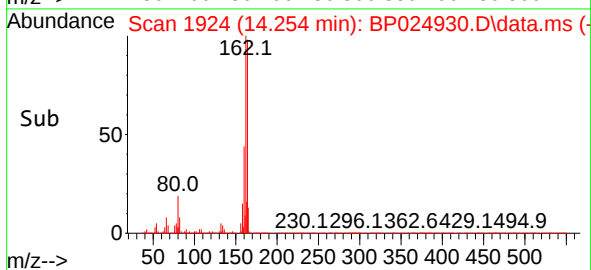
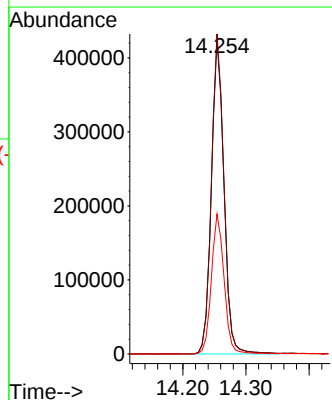
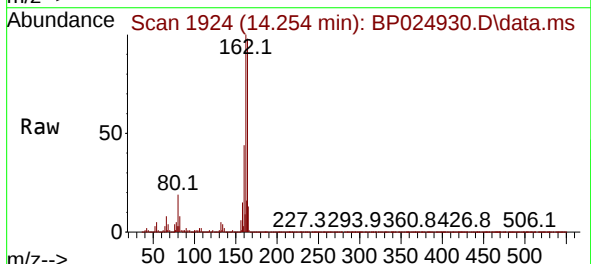
Instrument :
BNA_P
ClientSampleId :
TP12-MHK-WC

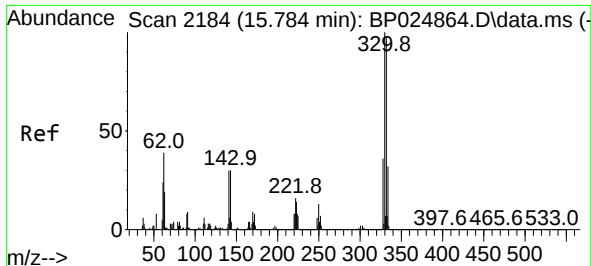
Tgt Ion: 82 Resp: 1086249
Ion Ratio Lower Upper
82 100
128 45.9 35.3 52.9
54 45.8 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024930.D
Acq: 12 Jun 2025 15:11

Tgt Ion:164 Resp: 587336
Ion Ratio Lower Upper
164 100
162 102.1 81.6 122.4
160 44.6 36.2 54.2

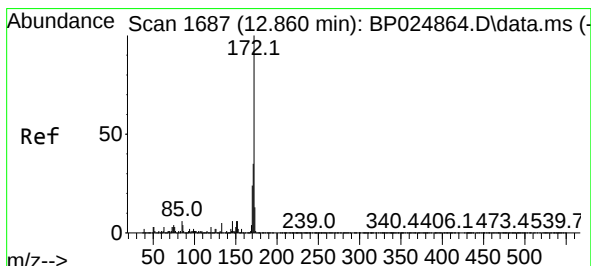
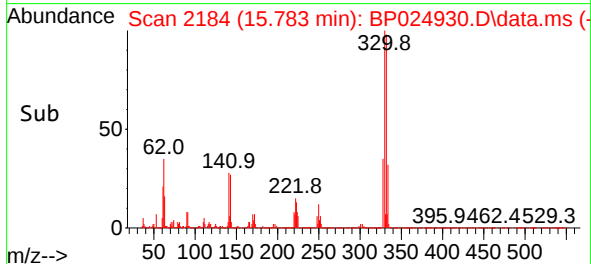
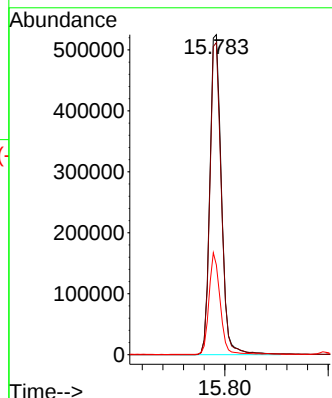
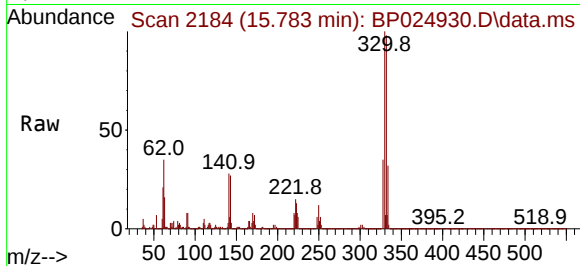




#42
2,4,6-Tribromophenol
Concen: 100.170 ng
RT: 15.783 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BP024930.D
Acq: 12 Jun 2025 15:11

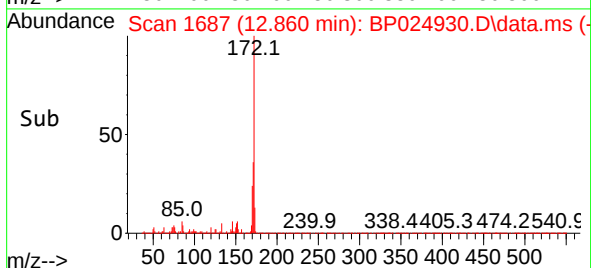
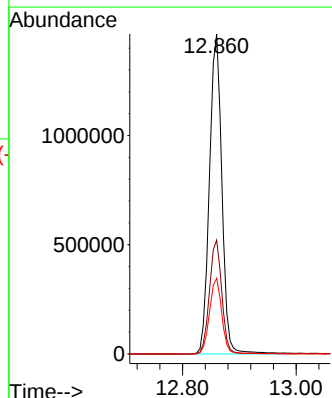
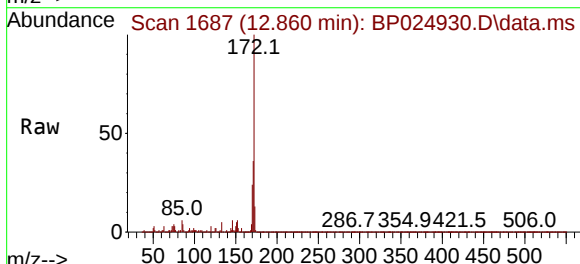
Instrument :
BNA_P
ClientSampleId :
TP12-MHK-WC

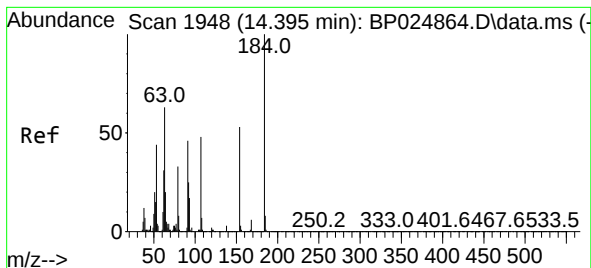
Tgt Ion: 330 Resp: 813403
Ion Ratio Lower Upper
330 100
332 97.1 77.7 116.5
141 30.5 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 50.803 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP024930.D
Acq: 12 Jun 2025 15:11

Tgt Ion: 172 Resp: 2214975
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.7 19.0 28.4





#54

2,4-Dinitrophenol

Concen: 5.573 ng

RT: 14.401 min Scan# 1949

Delta R.T. 0.006 min

Lab File: BP024930.D

Acq: 12 Jun 2025 15:11

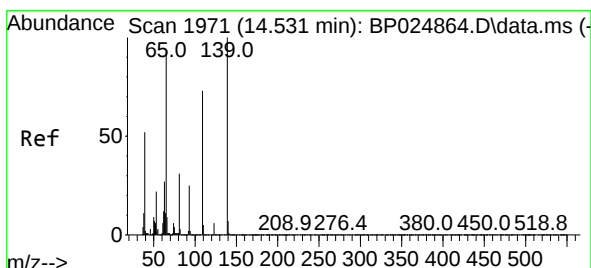
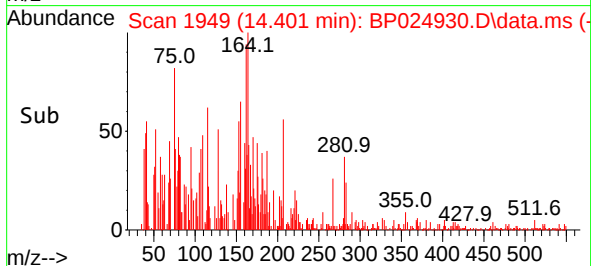
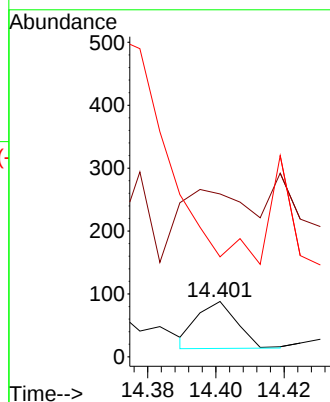
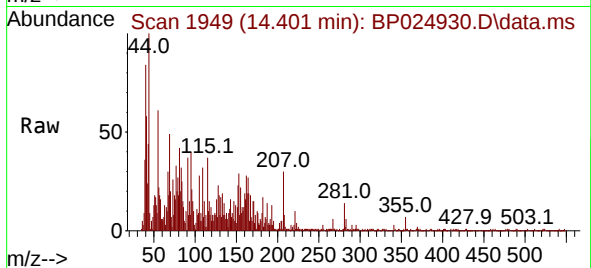
Instrument :

BNA_P

ClientSampleId :

TP12-MHK-WC

Tgt Ion:184	Resp:	60
Ion Ratio	Lower	Upper
184	100	
63	294.3	51.0 76.4#
154	180.7	51.7 77.5#



#56

4-Nitrophenol

Concen: 5.543 ng

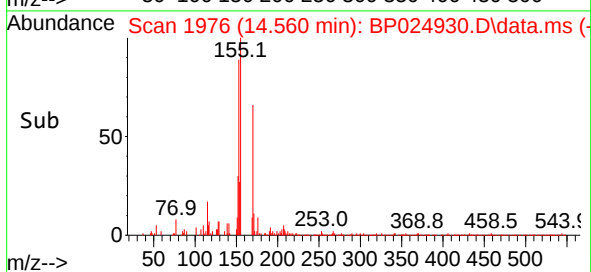
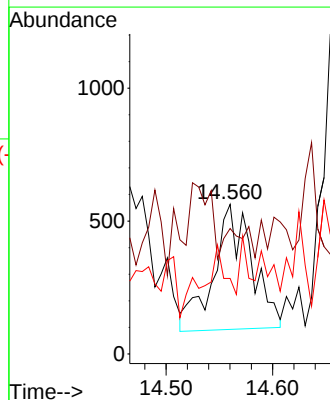
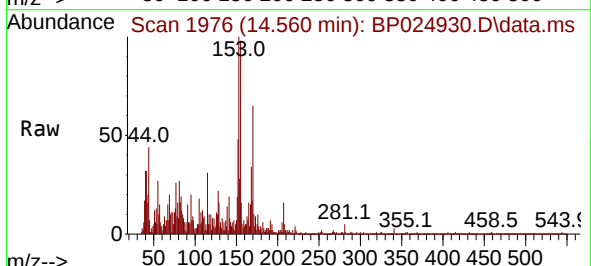
RT: 14.560 min Scan# 1976

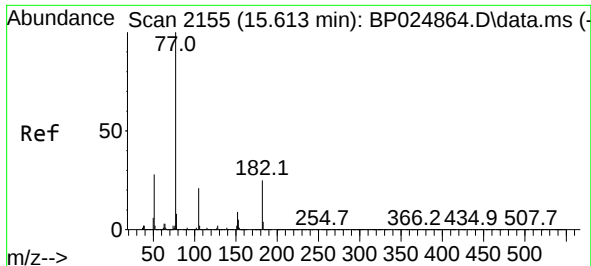
Delta R.T. 0.029 min

Lab File: BP024930.D

Acq: 12 Jun 2025 15:11

Tgt Ion:139	Resp:	1174
Ion Ratio	Lower	Upper
139	100	
109	83.8	53.1 93.1
65	50.4	73.0 113.0#

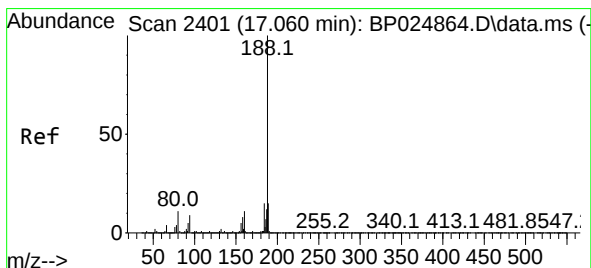
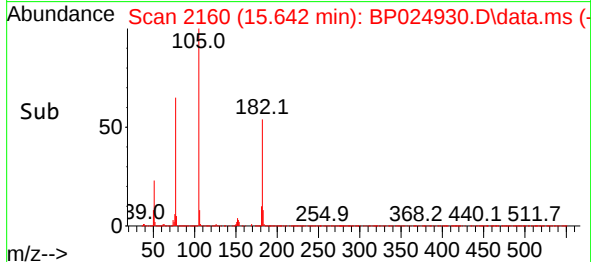
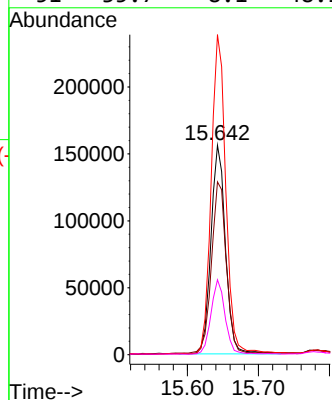
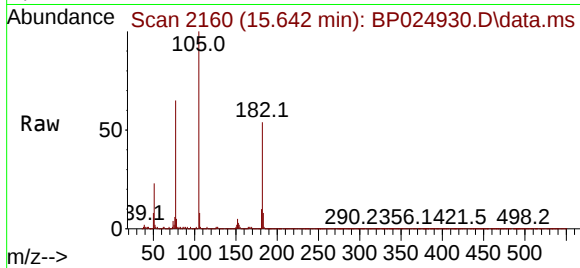




#63
Azobenzene
Concen: 5.605 ng
RT: 15.642 min Scan# 2155
Delta R.T. 0.029 min
Lab File: BP024930.D
Acq: 12 Jun 2025 15:11

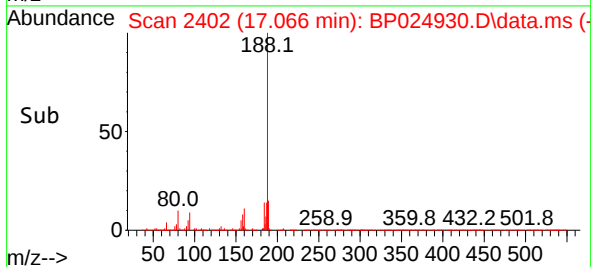
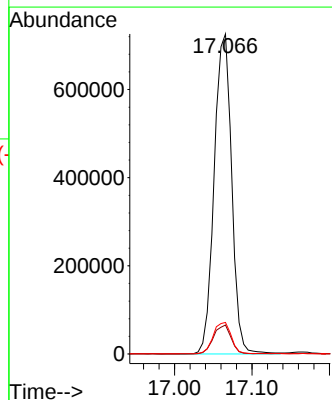
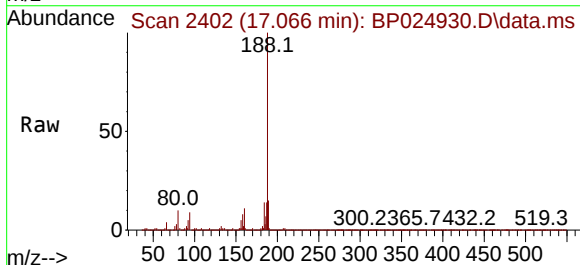
Instrument :
BNA_P
ClientSampleId :
TP12-MHK-WC

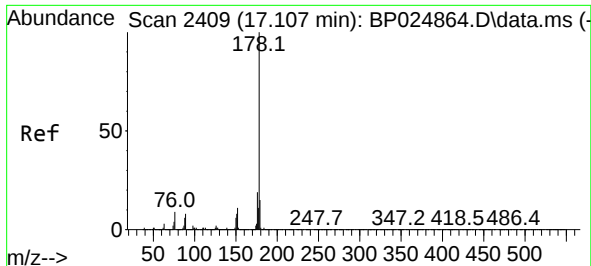
Tgt Ion: 77 Resp: 221968
Ion Ratio Lower Upper
77 100
182 82.5 5.4 45.4#
105 152.7 0.8 40.8#
51 35.7 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 2402
Delta R.T. 0.006 min
Lab File: BP024930.D
Acq: 12 Jun 2025 15:11

Tgt Ion:188 Resp: 1137992
Ion Ratio Lower Upper
188 100
94 9.0 7.3 10.9
80 9.9 8.5 12.7

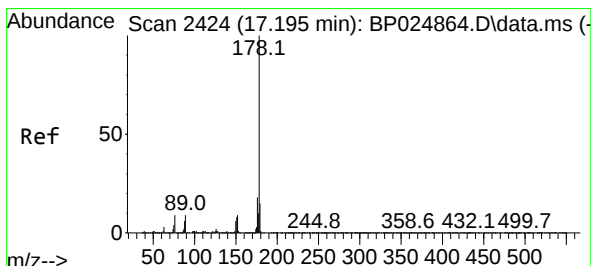
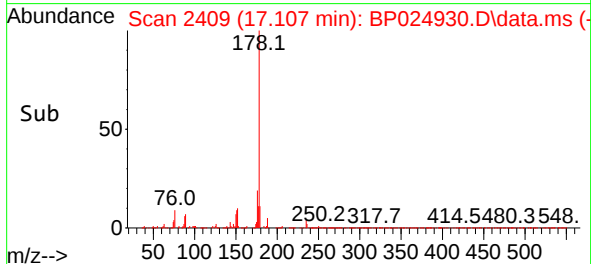
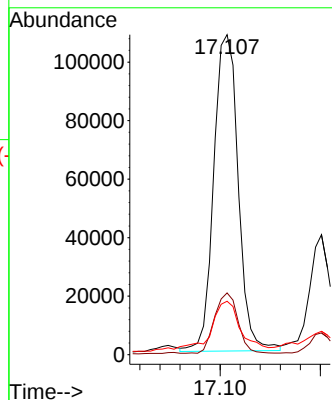
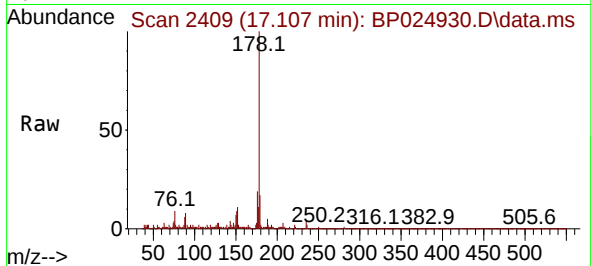




#71
Phenanthrene
Concen: 2.916 ng
RT: 17.107 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BP024930.D
Acq: 12 Jun 2025 15:11

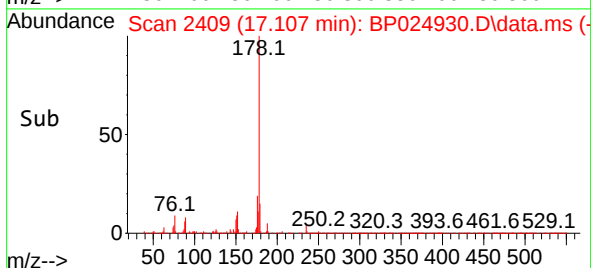
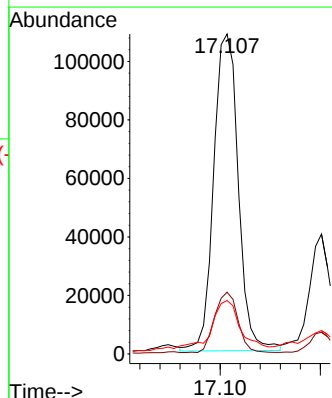
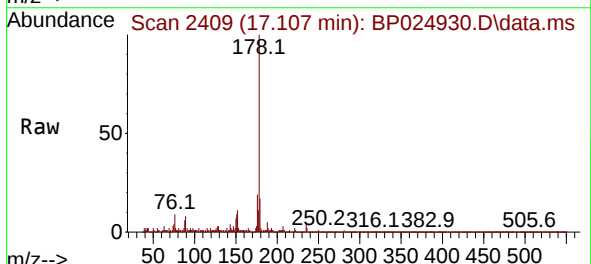
Instrument :
BNA_P
ClientSampleId :
TP12-MHK-WC

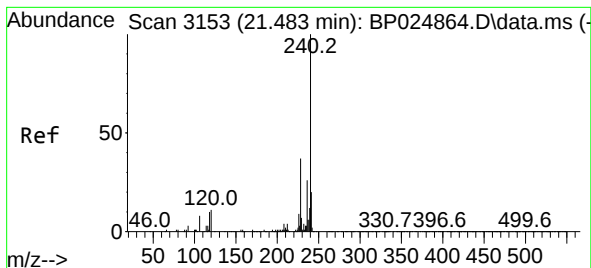
Tgt Ion:178 Resp: 183392
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 16.7 12.1 18.1



#72
Anthracene
Concen: 2.895 ng
RT: 17.107 min Scan# 2409
Delta R.T. -0.088 min
Lab File: BP024930.D
Acq: 12 Jun 2025 15:11

Tgt Ion:178 Resp: 184358
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 16.7 12.3 18.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.489 min Scan# 3153

Delta R.T. 0.006 min

Lab File: BP024930.D

Acq: 12 Jun 2025 15:11

Instrument :

BNA_P

ClientSampleId :

TP12-MHK-WC

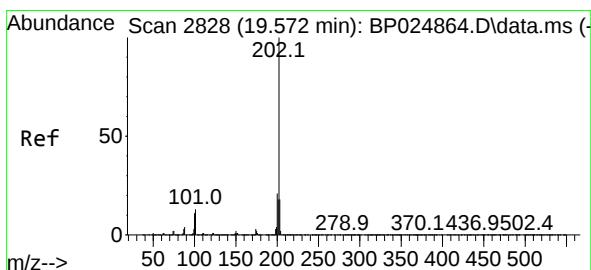
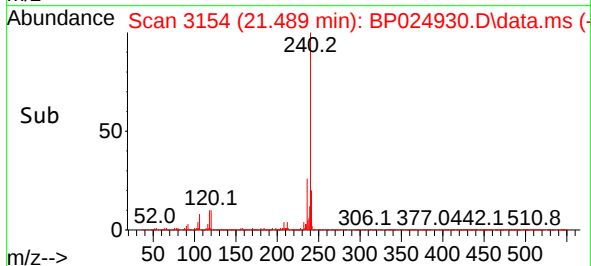
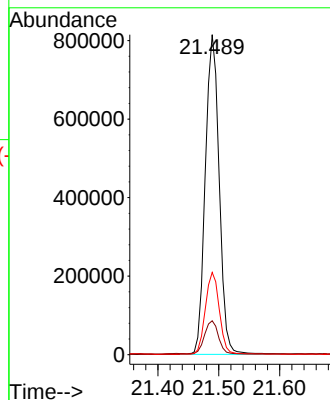
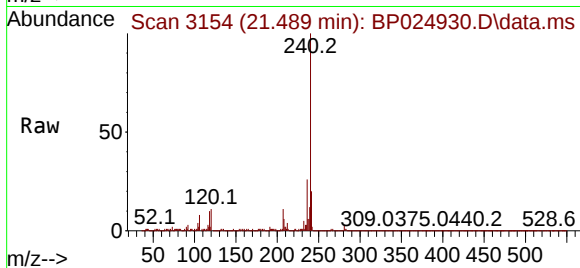
Tgt Ion:240 Resp: 1292808

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

236 25.7 20.9 31.3



#78

Pyrene

Concen: 2.303 ng

RT: 19.572 min Scan# 2828

Delta R.T. -0.000 min

Lab File: BP024930.D

Acq: 12 Jun 2025 15:11

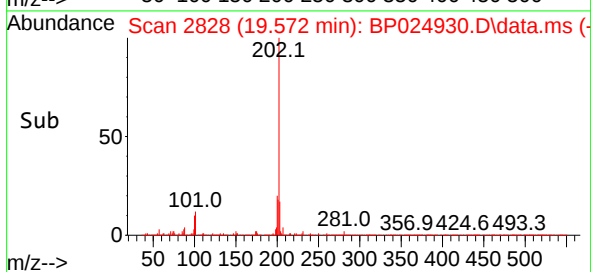
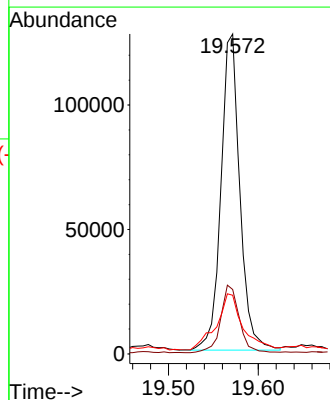
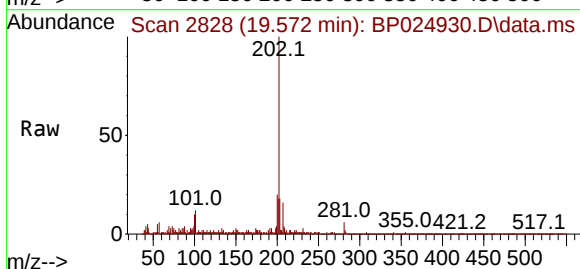
Tgt Ion:202 Resp: 185997

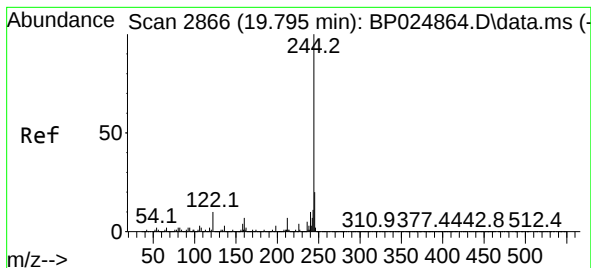
Ion Ratio Lower Upper

202 100

200 20.2 17.1 25.7

203 18.4 14.0 21.0





#79

Terphenyl-d14

Concen: 48.445 ng

RT: 19.783 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP024930.D

Acq: 12 Jun 2025 15:11

Instrument :

BNA_P

ClientSampleId :

TP12-MHK-WC

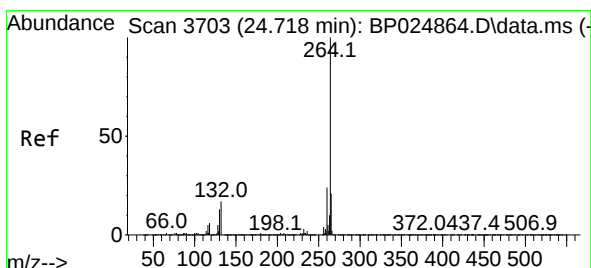
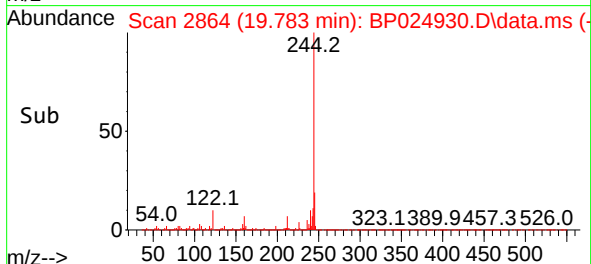
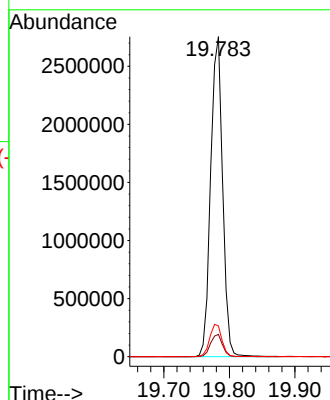
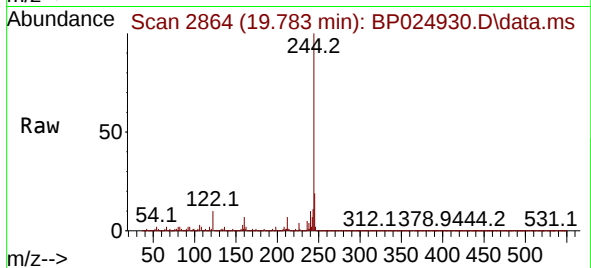
Tgt Ion:244 Resp: 3494484

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.6 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.759 min Scan# 3710

Delta R.T. 0.041 min

Lab File: BP024930.D

Acq: 12 Jun 2025 15:11

Tgt Ion:264 Resp: 1571882

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 21.9 17.4 26.0

