

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061125\
 Data File : BP024909.D
 Acq On : 11 Jun 2025 12:59
 Operator : RC/JU
 Sample : Q2176-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-28

Quant Time: Jun 11 13:51:47 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)

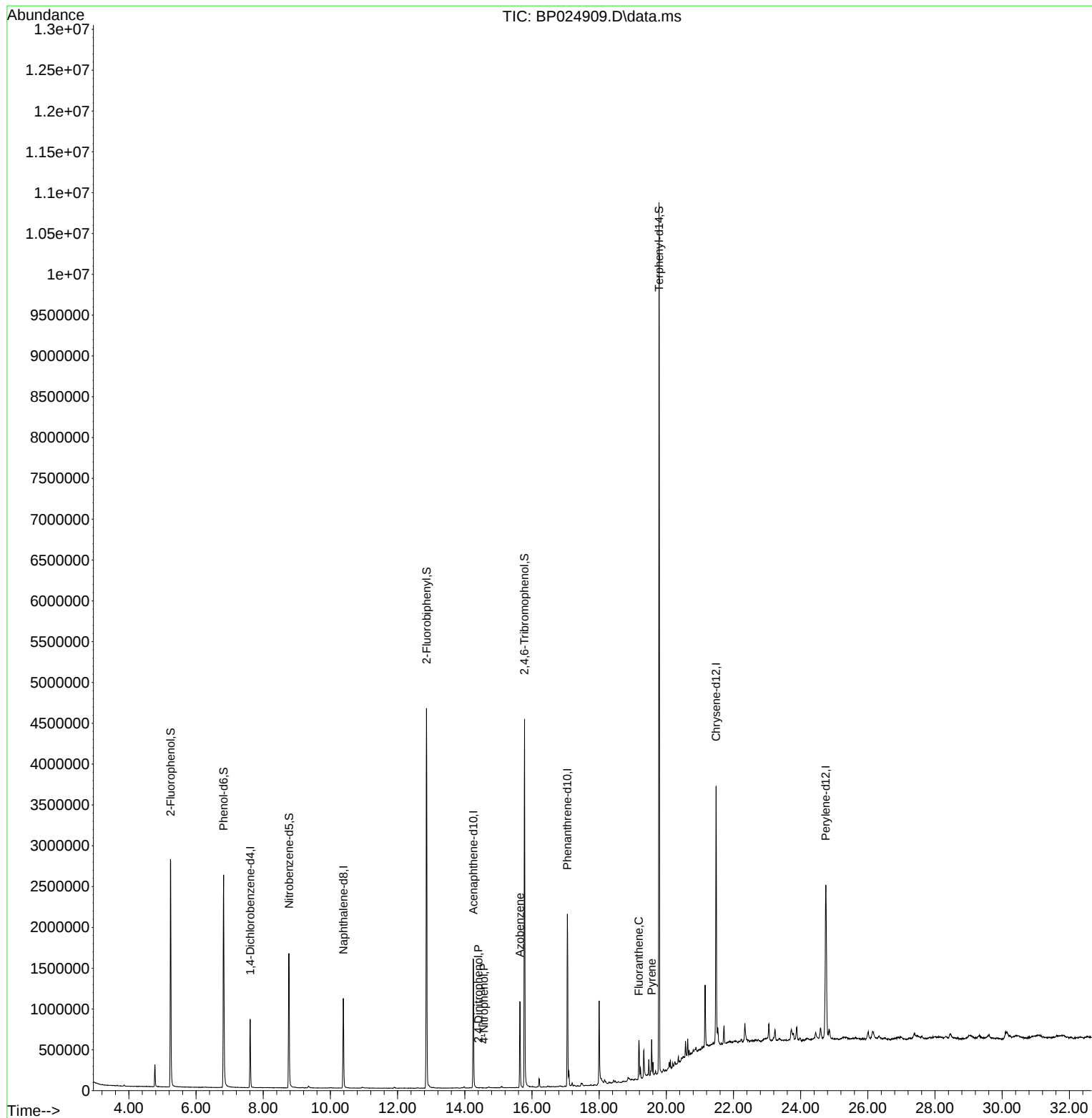
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	233414	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	929314	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	605225	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1276558	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1658469	20.000	ng	0.00
86) Perylene-d12	24.748	264	1985950	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1321809	94.526	ng	0.00
7) Phenol-d6	6.819	99	1725392	93.256	ng	0.00
23) Nitrobenzene-d5	8.766	82	1047473	54.771	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	915767	109.442	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	2497088	55.581	ng	0.00
79) Terphenyl-d14	19.783	244	5158788	55.749	ng	-0.01
Target Compounds						
					Qvalue	
54) 2,4-Dinitrophenol	14.407	184	21	5.567	ng	# 1
56) 4-Nitrophenol	14.566	139	75	5.417	ng	# 76
63) Azobenzene	15.642	77	315133	7.722	ng	# 1
75) Fluoranthene	19.183	202	276047	3.376	ng	99
78) Pyrene	19.566	202	246435	2.378	ng	99

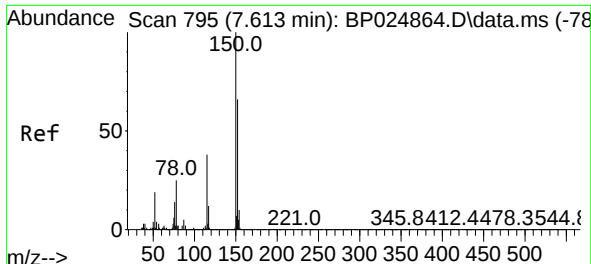
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BP024909.D
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Response via : Initial Calibration

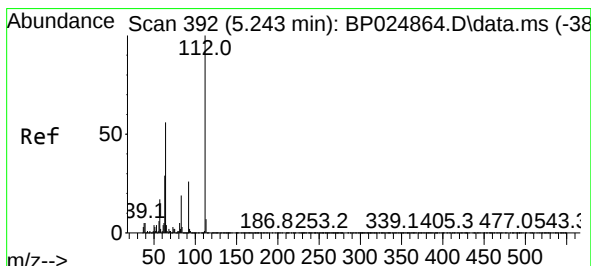
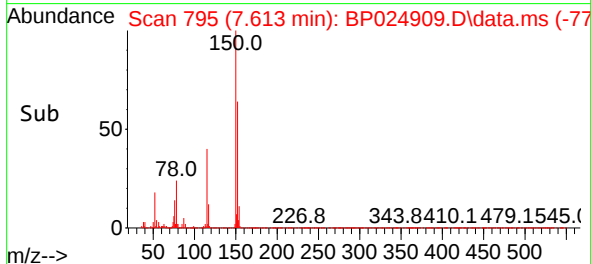
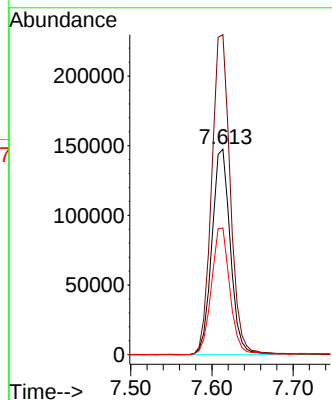
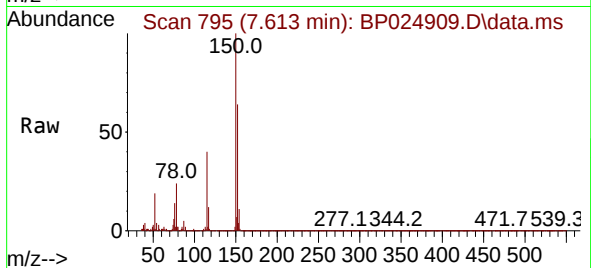




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 795
Delta R.T. 0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

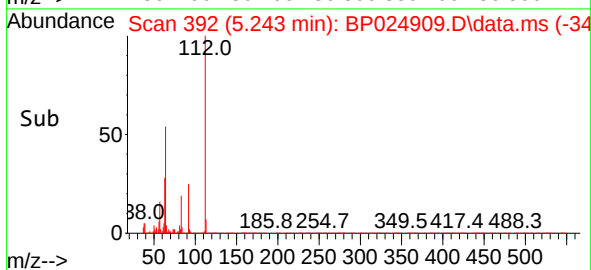
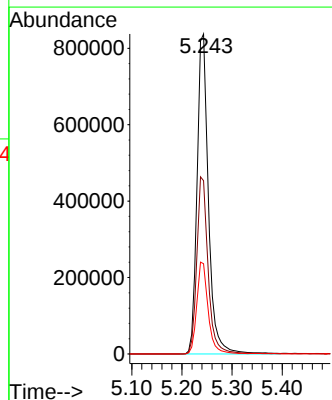
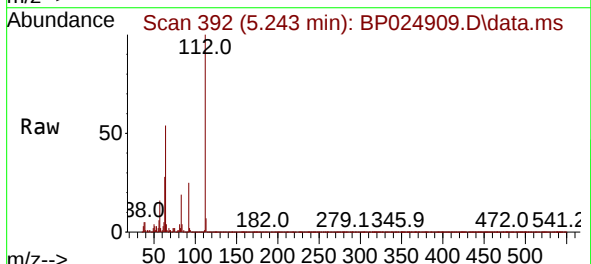
Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion:152 Resp: 233414
Ion Ratio Lower Upper
152 100
150 155.7 122.1 183.1
115 61.7 46.4 69.6



#5
2-Fluorophenol
Concen: 94.526 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:112 Resp: 1321809
Ion Ratio Lower Upper
112 100
64 54.2 44.7 67.1
63 28.2 23.5 35.3

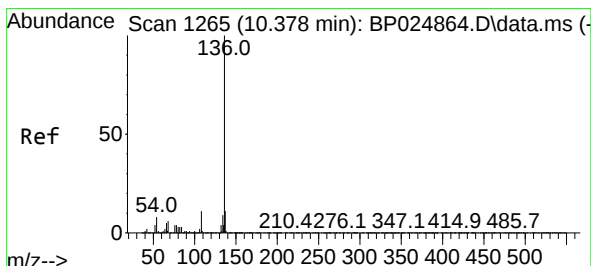
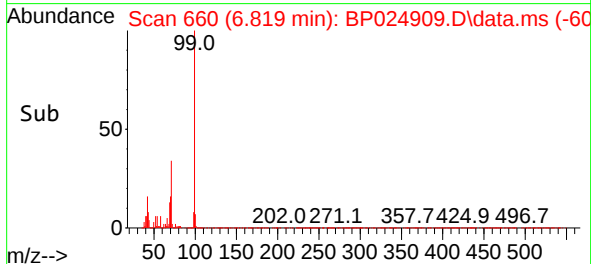
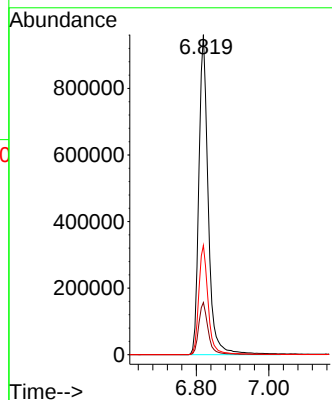
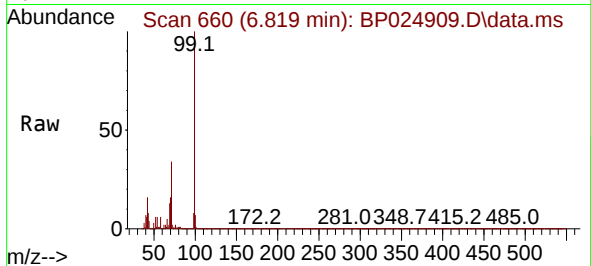




#7
Phenol-d6
Concen: 93.256 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

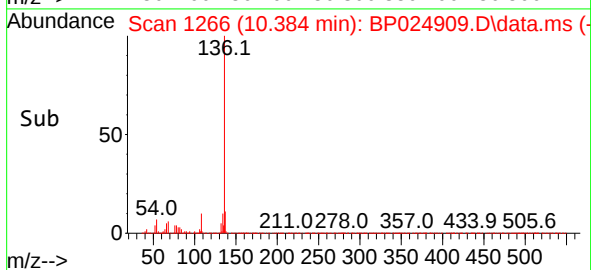
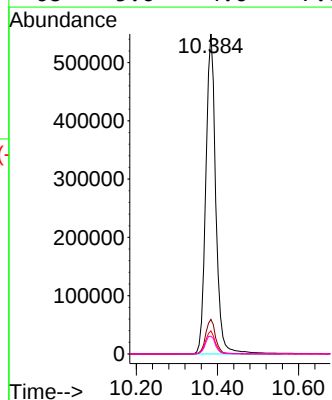
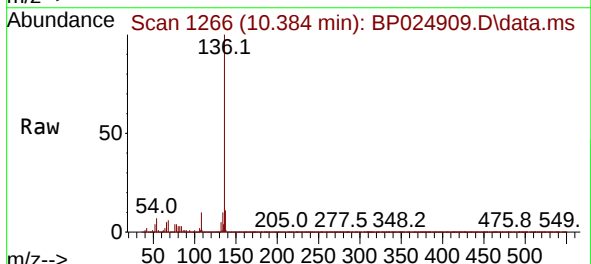
Instrument :
BNA_P
ClientSampleId :
TP-28

Tgt Ion: 99 Resp: 1725392
Ion Ratio Lower Upper
99 100
42 16.3 13.4 20.2
71 34.1 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:136 Resp: 929314
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.2 6.1 9.1
68 5.6 4.6 7.0

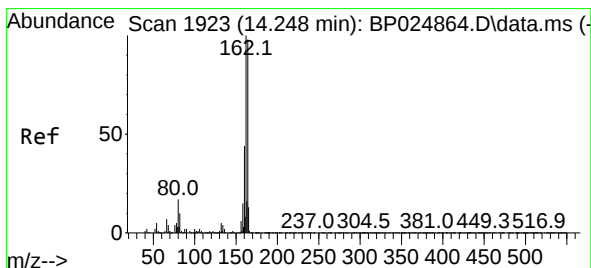
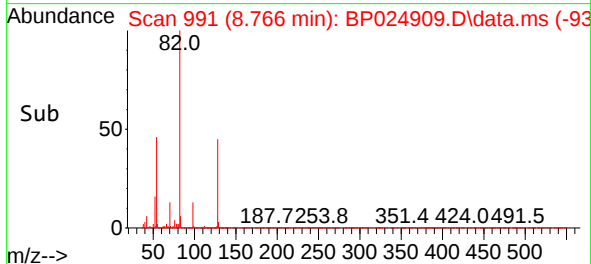
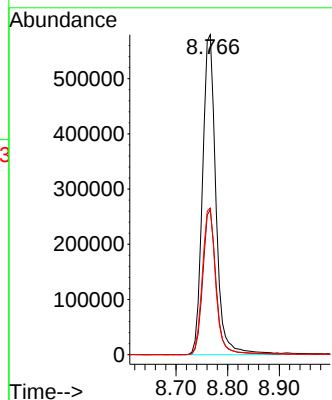
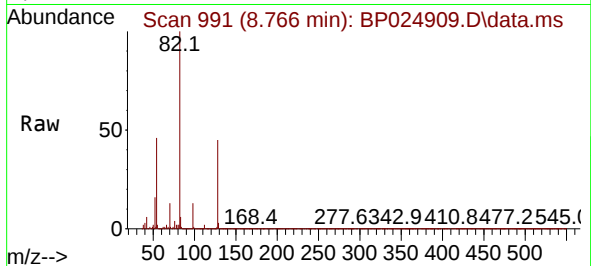




#23
Nitrobenzene-d5
Concen: 54.771 ng
RT: 8.766 min Scan# 991
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

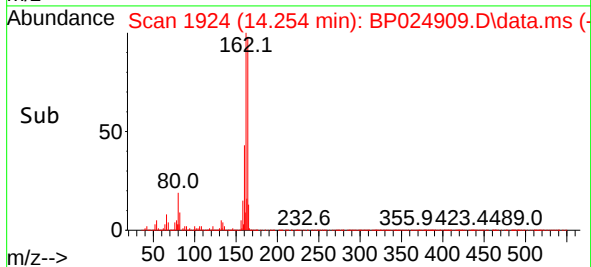
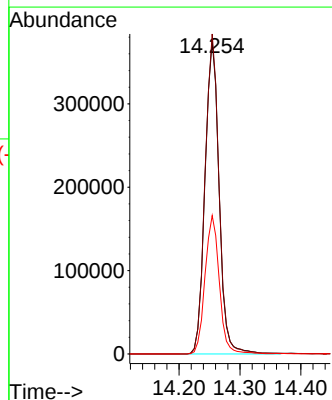
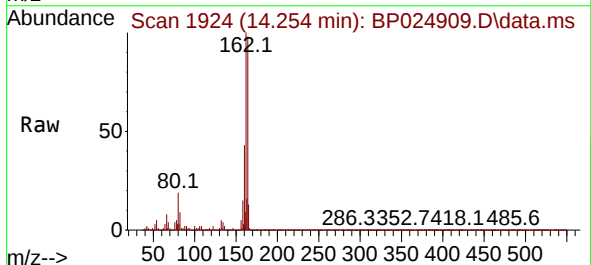
Instrument :
BNA_P
ClientSampleId :
TP-28

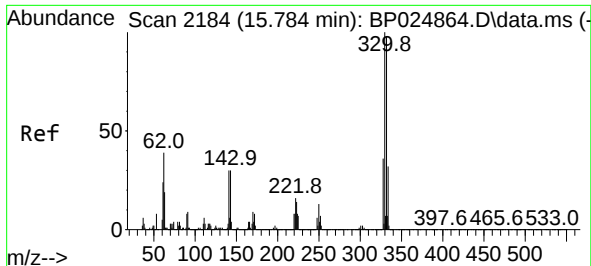
Tgt Ion: 82 Resp: 1047473
Ion Ratio Lower Upper
82 100
128 45.3 35.3 52.9
54 45.9 37.4 56.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:164 Resp: 605225
Ion Ratio Lower Upper
164 100
162 102.3 81.6 122.4
160 44.2 36.2 54.2

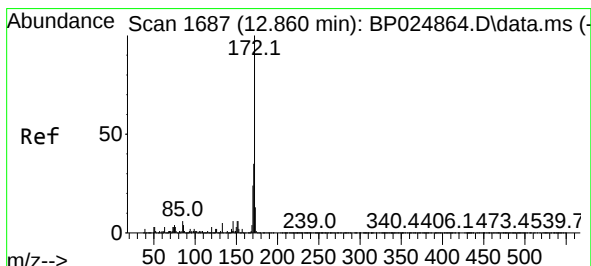
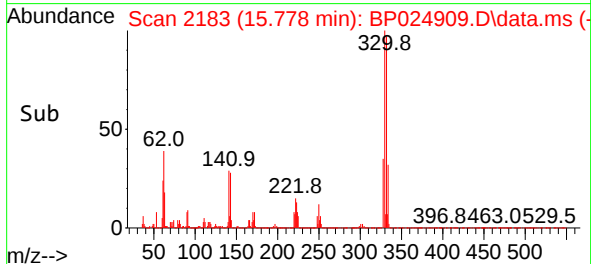
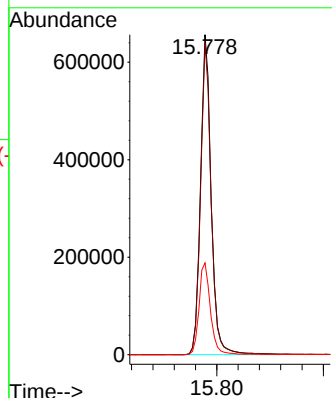
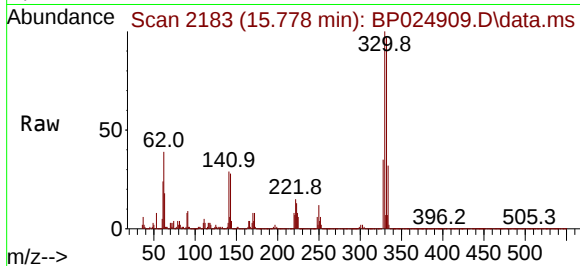




#42
2,4,6-Tribromophenol
Concen: 109.442 ng
RT: 15.778 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

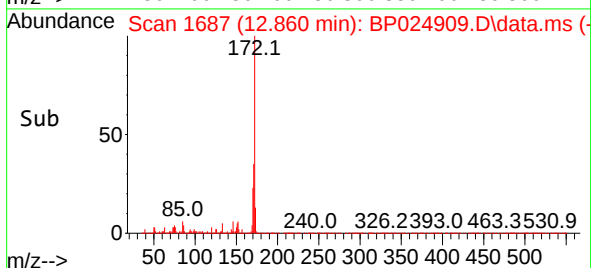
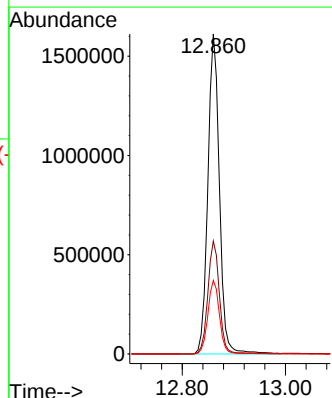
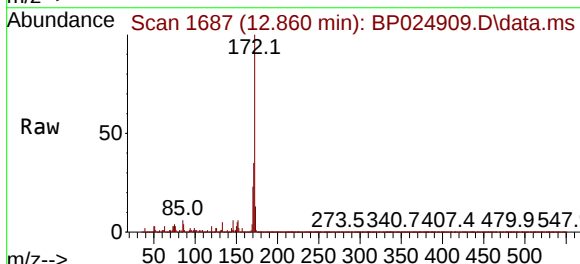
Instrument :
BNA_P
ClientSampleId :
TP-28

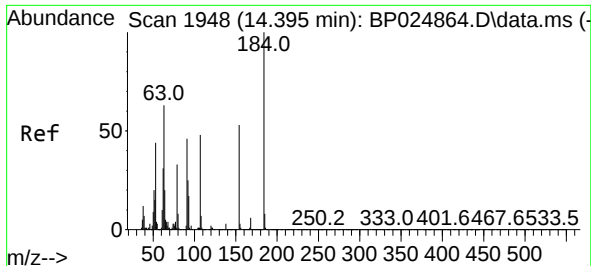
Tgt Ion:330 Resp: 915767
Ion Ratio Lower Upper
330 100
332 96.6 77.7 116.5
141 30.4 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 55.581 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:172 Resp: 2497088
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.0 19.0 28.4

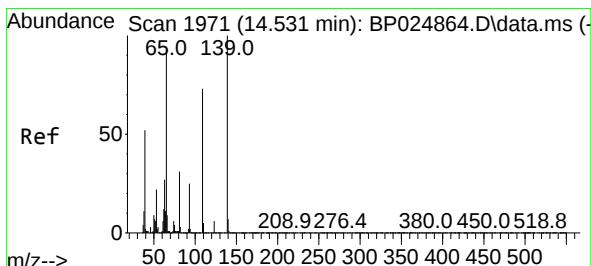
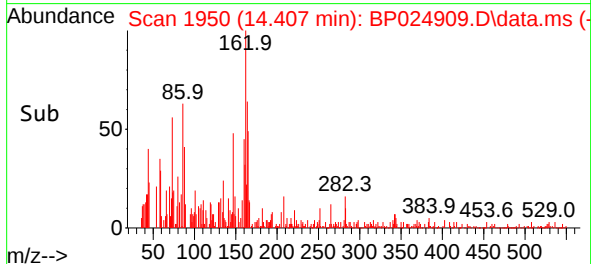
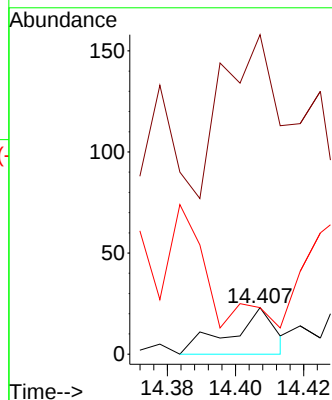
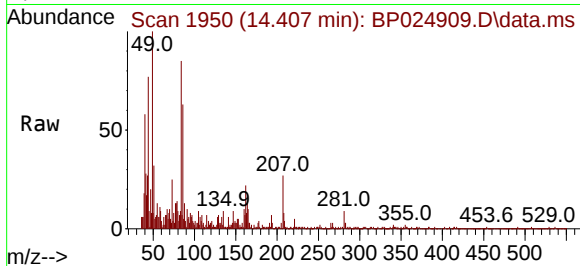




#54
2,4-Dinitrophenol
Concen: 5.567 ng
RT: 14.407 min Scan# 1948
Delta R.T. 0.012 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

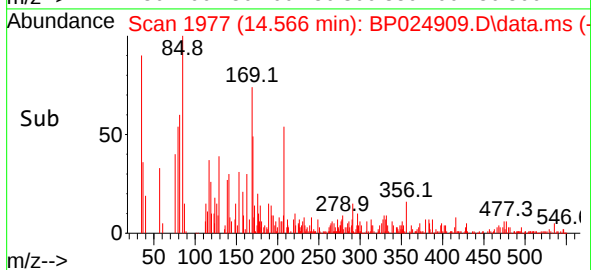
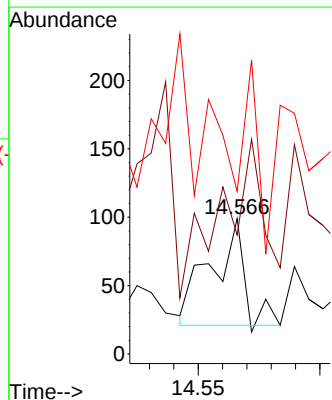
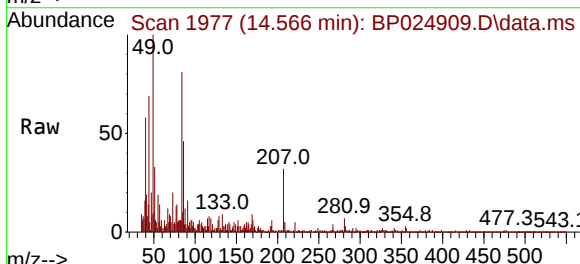
Instrument :
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TP-28

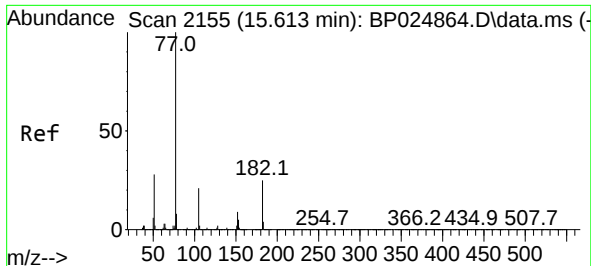
Tgt Ion:184 Resp: 21
Ion Ratio Lower Upper
184 100
63 687.0 51.0 76.4#
154 100.0 51.7 77.5#



#56
4-Nitrophenol
Concen: 5.417 ng
RT: 14.566 min Scan# 1977
Delta R.T. 0.035 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:139 Resp: 75
Ion Ratio Lower Upper
139 100
109 87.9 53.1 93.1
65 120.2 73.0 113.0#

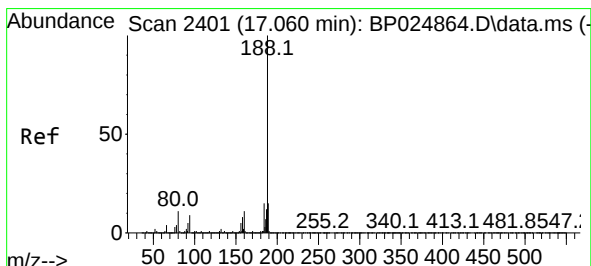
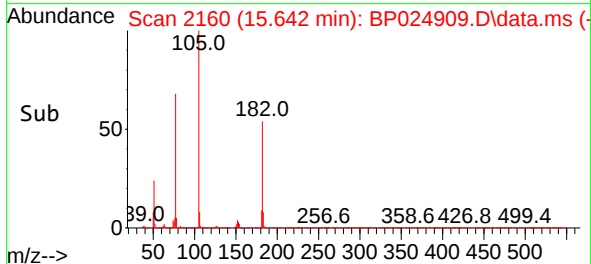
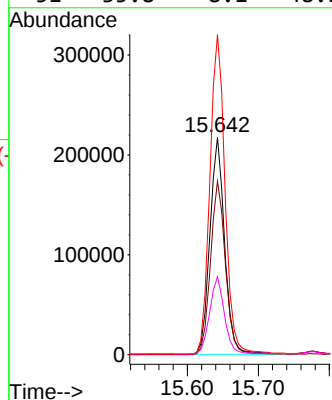
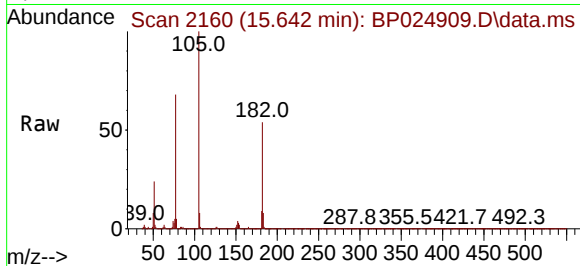




#63
Azobenzene
Concen: 7.722 ng
RT: 15.642 min Scan# 2155
Delta R.T. 0.029 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

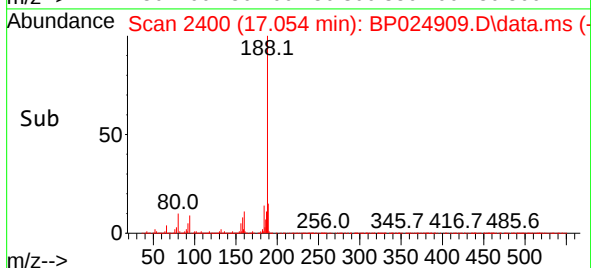
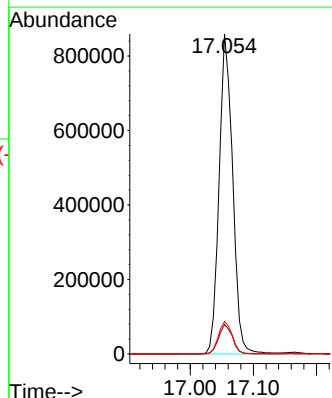
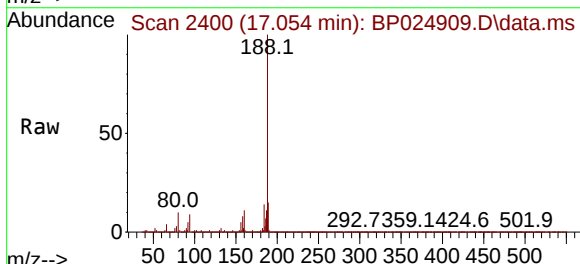
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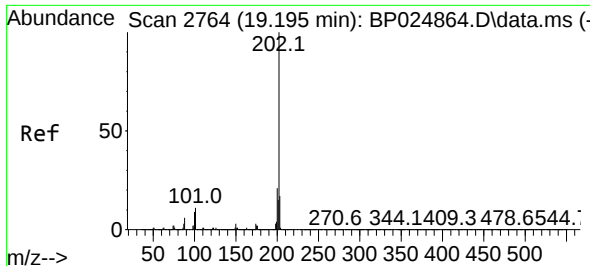
Tgt Ion: 77 Resp: 315133
Ion Ratio Lower Upper
77 100
182 79.8 5.4 45.4#
105 147.1 0.8 40.8#
51 35.8 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion: 188 Resp: 1276558
Ion Ratio Lower Upper
188 100
94 9.2 7.3 10.9
80 10.1 8.5 12.7

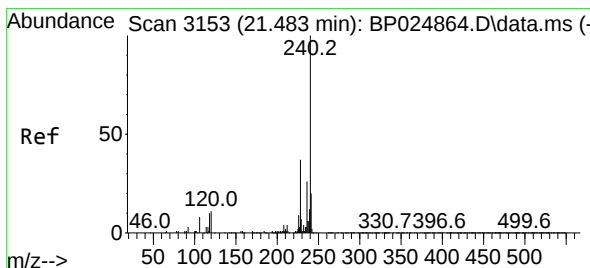
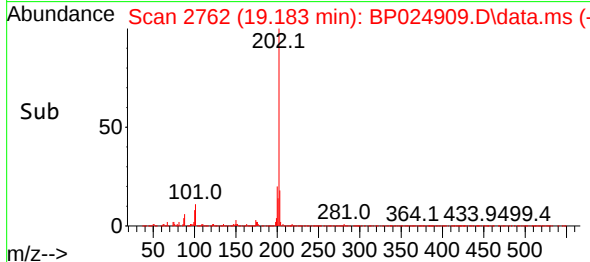
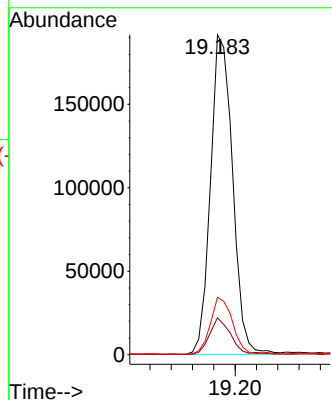
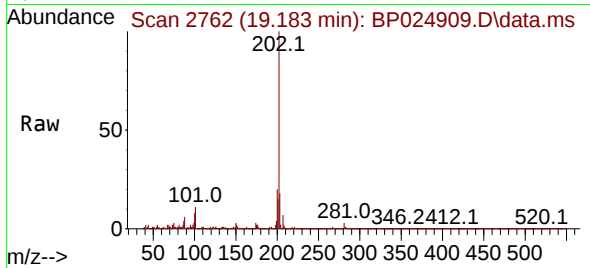




#75
Fluoranthene
Concen: 3.376 ng
RT: 19.183 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

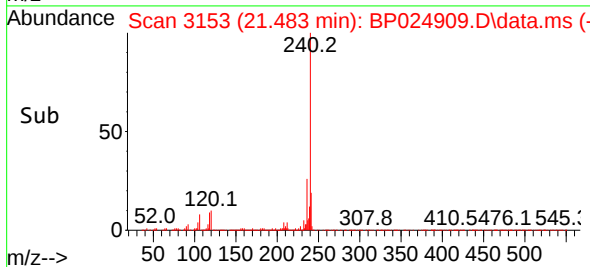
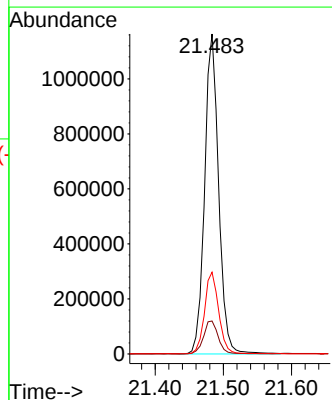
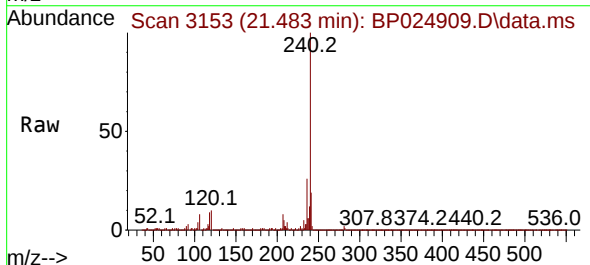
Instrument :
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TP-28

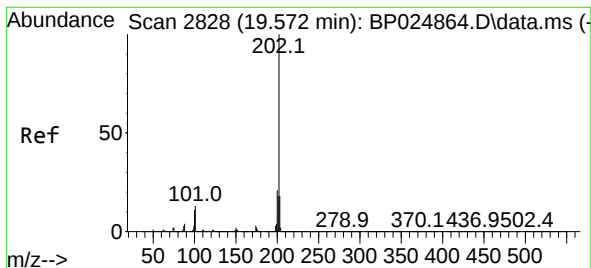
Tgt Ion:202 Resp: 276047
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.000 min
Lab File: BP024909.D
Acq: 11 Jun 2025 12:59

Tgt Ion:240 Resp: 1658469
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.5 20.9 31.3





#78

Pyrene

Concen: 2.378 ng

RT: 19.566 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP024909.D

Acq: 11 Jun 2025 12:59

Instrument :

BNA_P

ClientSampleId :

TP-28

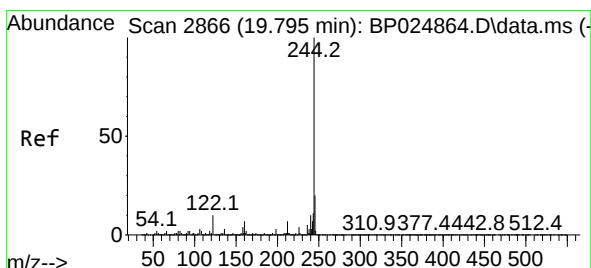
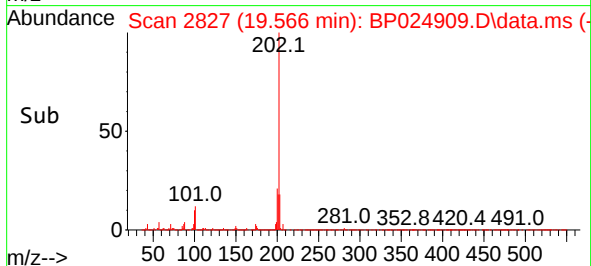
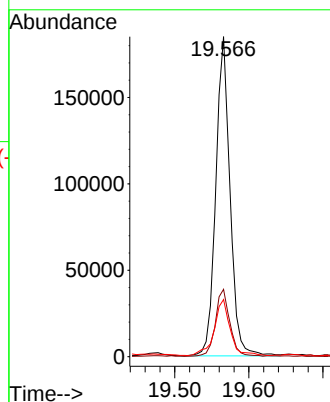
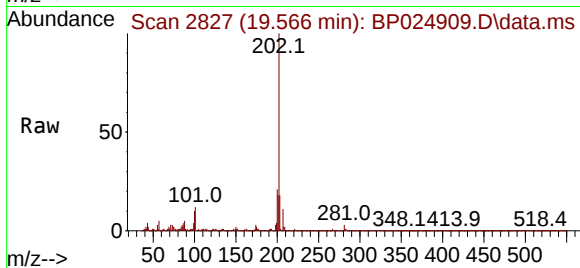
Tgt Ion:202 Resp: 246435

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.8 14.0 21.0



#79

Terphenyl-d14

Concen: 55.749 ng

RT: 19.783 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BP024909.D

Acq: 11 Jun 2025 12:59

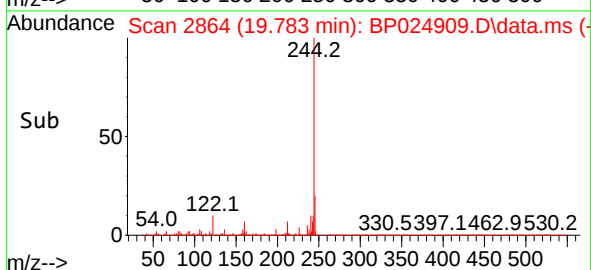
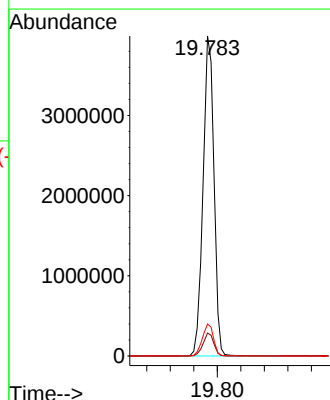
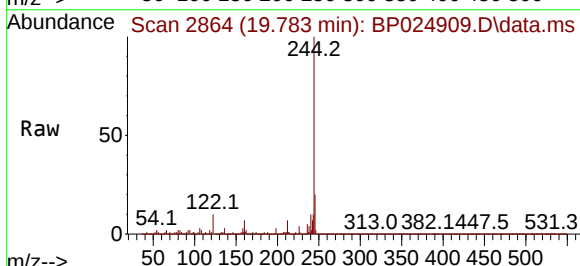
Tgt Ion:244 Resp: 5158788

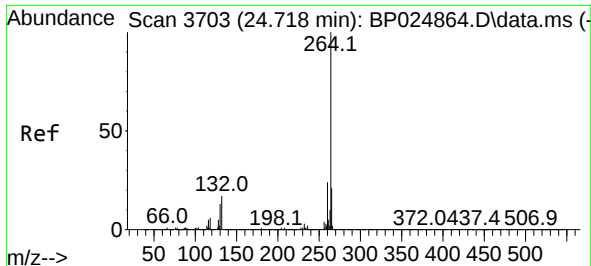
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.0 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.748 min Scan# 31
 Delta R.T. 0.029 min
 Lab File: BP024909.D
 Acq: 11 Jun 2025 12:59

Instrument :
 BNA_P
 ClientSampleId :
 TP-28

Tgt Ion:264 Resp: 1985950
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 22.3 17.4 26.0

