

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120925\
 Data File : BP026271.D
 Acq On : 09 Dec 2025 21:45
 Operator : RC/JU
 Sample : Q3806-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-12-5-2025

Quant Time: Dec 09 23:58:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 05 14:52:44 2025
 Response via : Initial Calibration

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

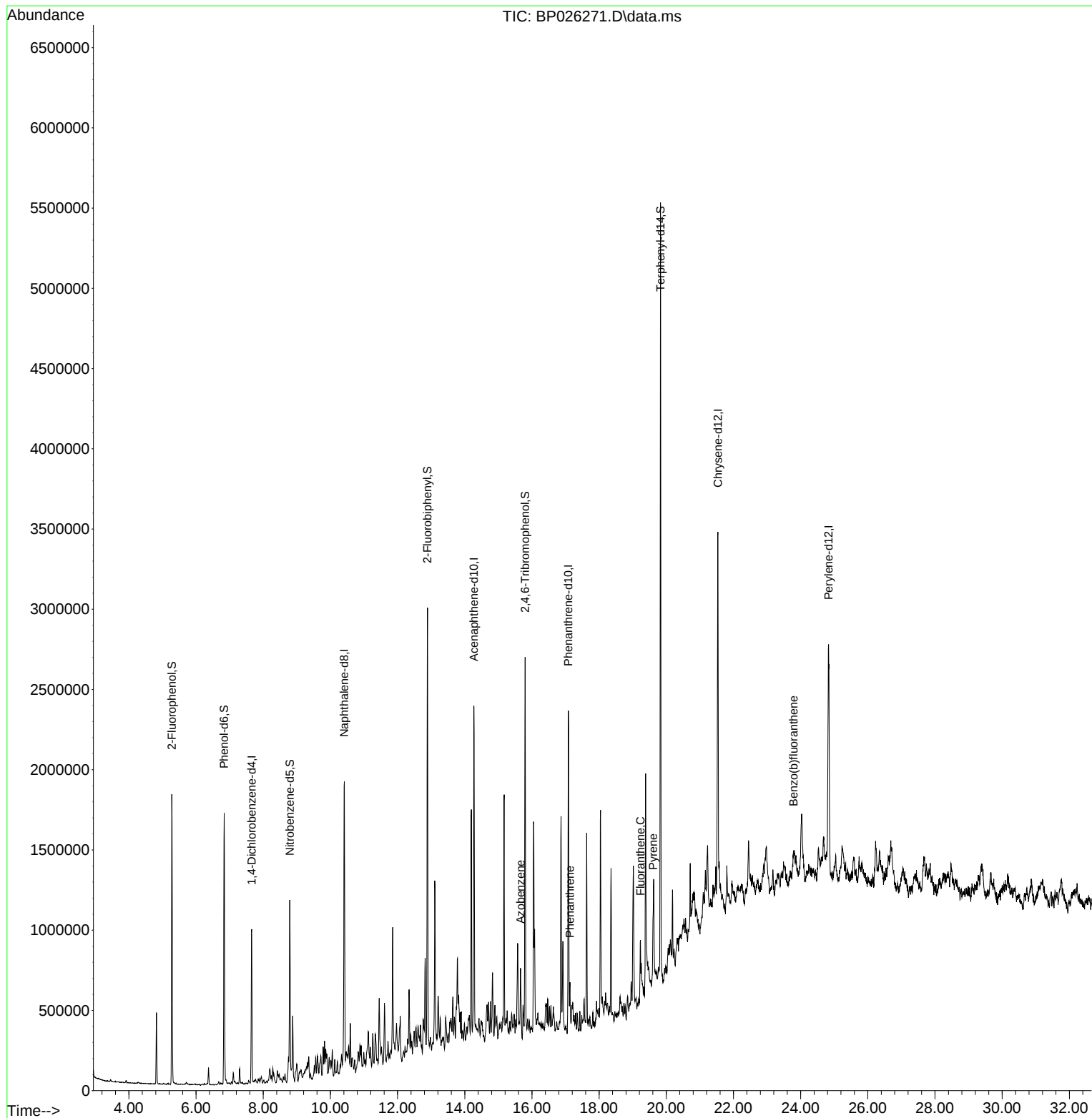
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.655	152	268587	20.000	ng	0.00
21) Naphthalene-d8	10.413	136	1076557	20.000	ng	0.00
39) Acenaphthene-d10	14.272	164	674453	20.000	ng	-0.02
64) Phenanthrene-d10	17.084	188	1318520	20.000	ng	-0.01
76) Chrysene-d12	21.536	240	1340684	20.000	ng	0.00
86) Perylene-d12	24.830	264	1531699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	813756	48.709	ng	0.00
7) Phenol-d6	6.837	99	1009309	47.861	ng	0.00
23) Nitrobenzene-d5	8.790	82	599787	31.712	ng	0.00
42) 2,4,6-Tribromophenol	15.795	330	454869	51.860	ng	-0.01
45) 2-Fluorobiphenyl	12.890	172	1574861	33.948	ng	-0.01
79) Terphenyl-d14	19.825	244	2354909	35.901	ng	-0.01
Target Compounds						
						Qvalue
63) Azobenzene	15.660	77	107101	2.527	ng	# 1
71) Phenanthrene	17.131	178	150937	2.031	ng	98
75) Fluoranthene	19.230	202	274182	3.031	ng	98
78) Pyrene	19.607	202	265945	3.044	ng	99
88) Benzo(b)fluoranthene	23.789	252	219571	2.359	ng	# 83

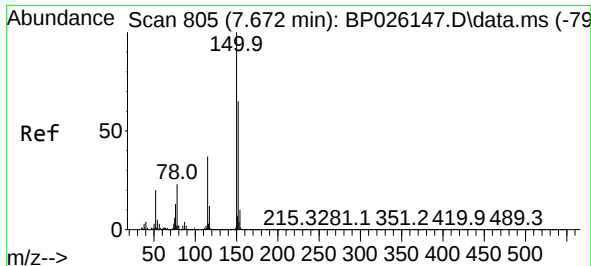
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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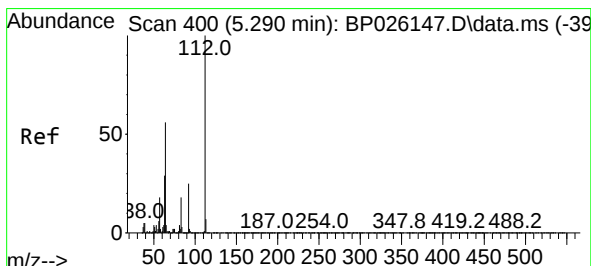
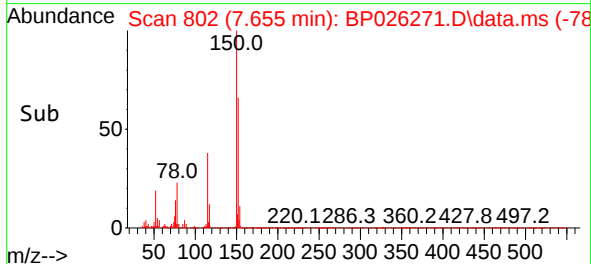
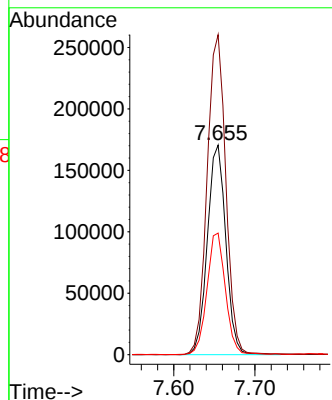
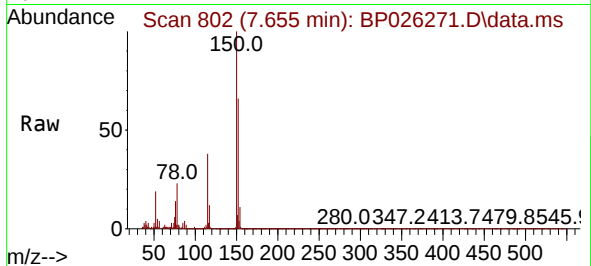




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.655 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

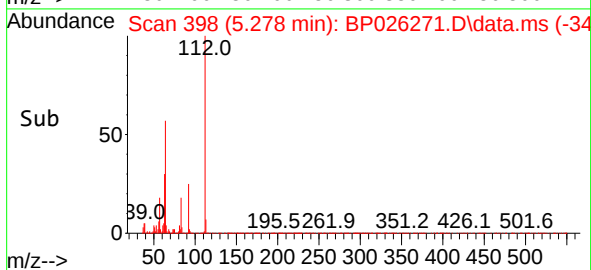
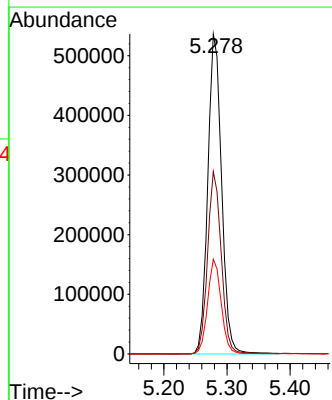
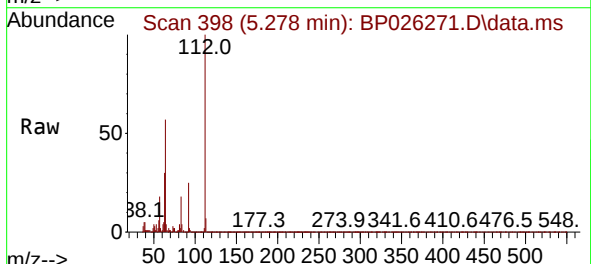
Instrument :
BNA_P
ClientSampleId :
TR-05-12-5-2025

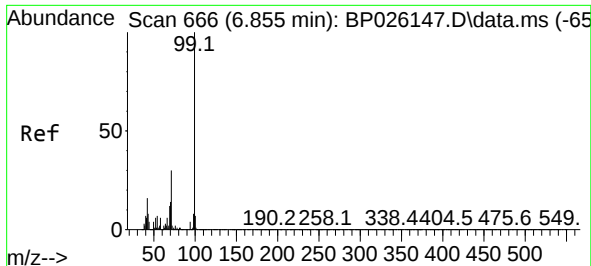
Tgt Ion:152 Resp: 268587
Ion Ratio Lower Upper
152 100
150 152.6 123.0 184.6
115 58.0 46.3 69.5



#5
2-Fluorophenol
Concen: 48.709 ng
RT: 5.278 min Scan# 398
Delta R.T. -0.000 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

Tgt Ion:112 Resp: 813756
Ion Ratio Lower Upper
112 100
64 57.0 45.8 68.6
63 29.6 23.5 35.3

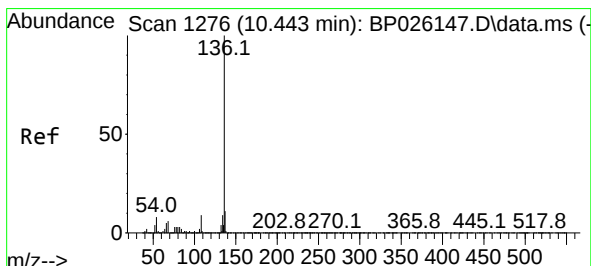
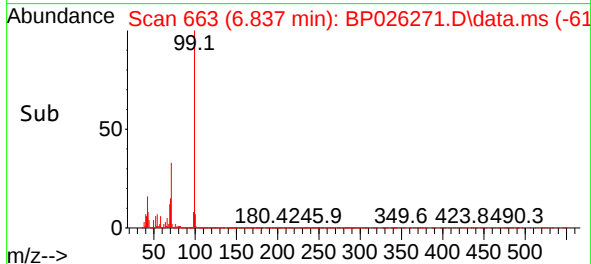
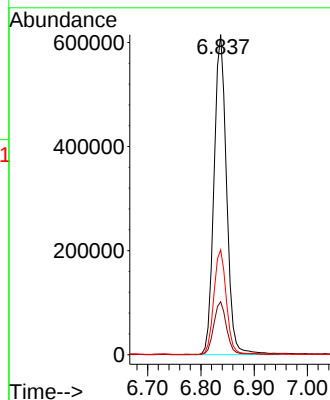
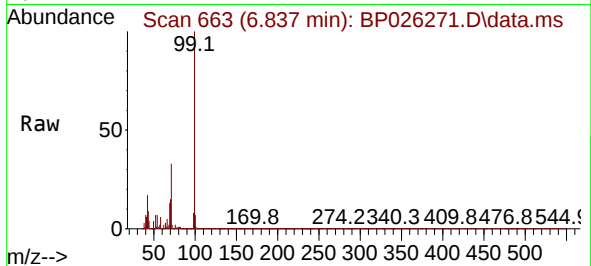




#7
Phenol-d6
Concen: 47.861 ng
RT: 6.837 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

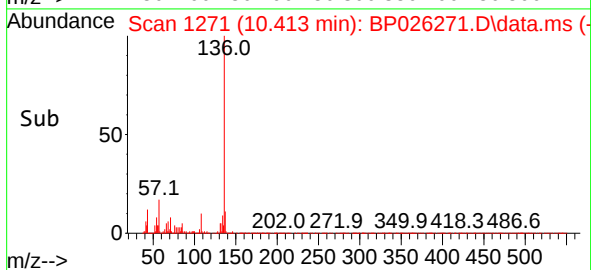
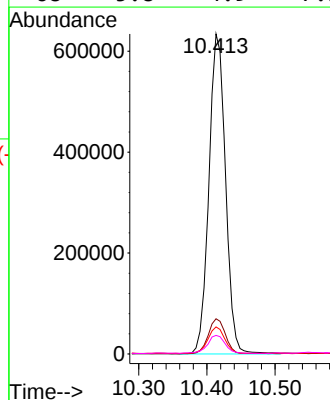
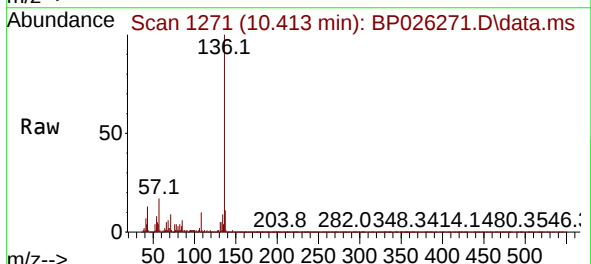
Instrument :
BNA_P
ClientSampleId :
TR-05-12-5-2025

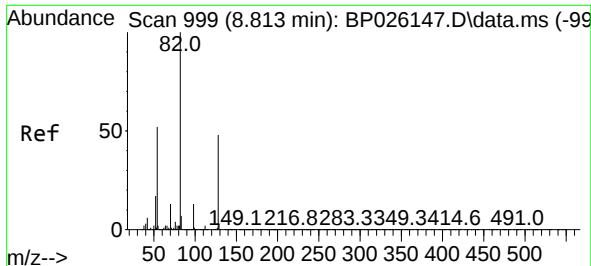
Tgt Ion: 99 Resp: 1009309
Ion Ratio Lower Upper
99 100
42 16.6 12.9 19.3
71 32.8 24.8 37.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.413 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

Tgt Ion: 136 Resp: 1076557
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.4 6.4 9.6
68 5.8 4.9 7.3

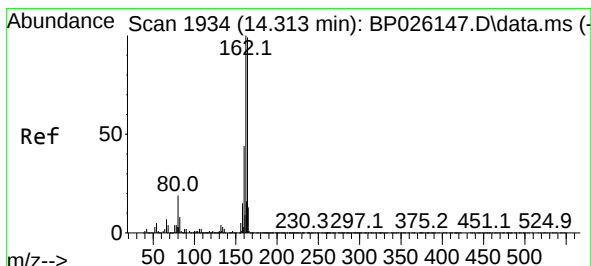
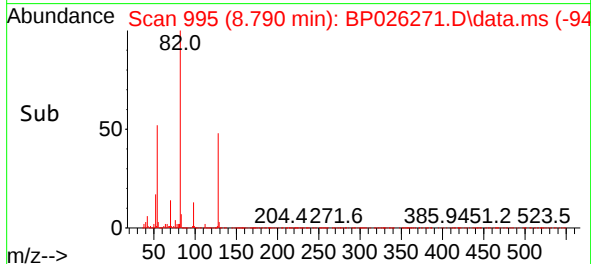
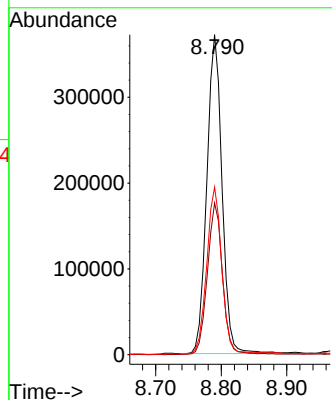
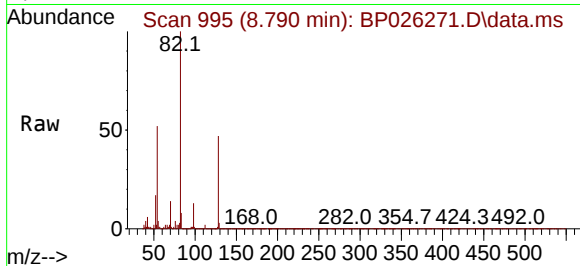




#23
Nitrobenzene-d5
Concen: 31.712 ng
RT: 8.790 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

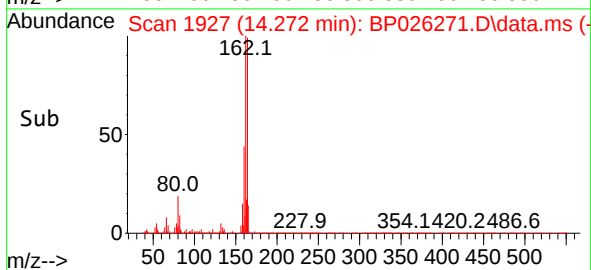
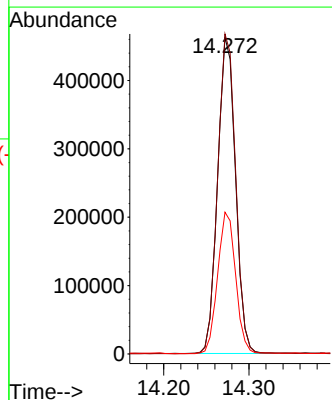
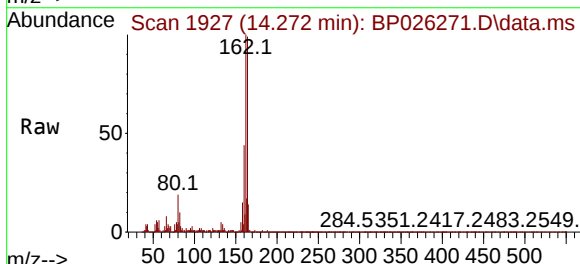
Instrument :
BNA_P
ClientSampleId :
TR-05-12-5-2025

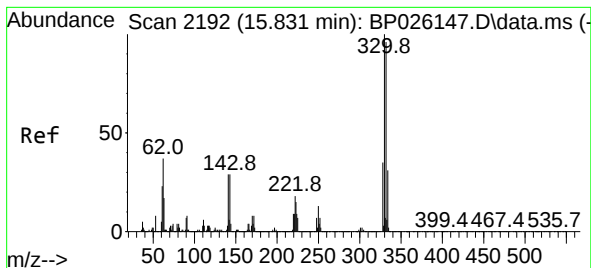
Tgt Ion: 82 Resp: 599787
Ion Ratio Lower Upper
82 100
128 47.4 37.4 56.0
54 52.3 41.6 62.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.272 min Scan# 1927
Delta R.T. -0.018 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

Tgt Ion:164 Resp: 674453
Ion Ratio Lower Upper
164 100
162 101.1 80.3 120.5
160 44.8 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 51.860 ng

RT: 15.795 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP026271.D

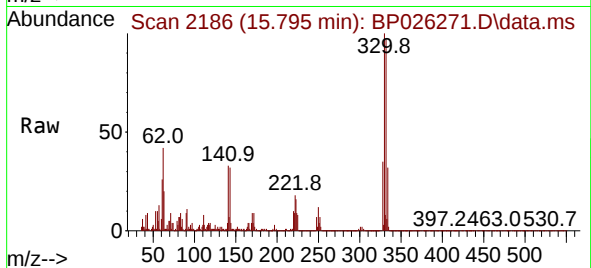
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Instrument :

BNA_P

ClientSampleId :

TR-05-12-5-2025



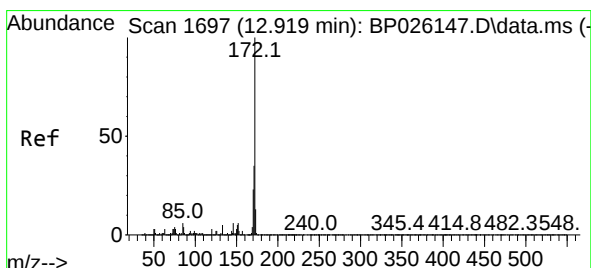
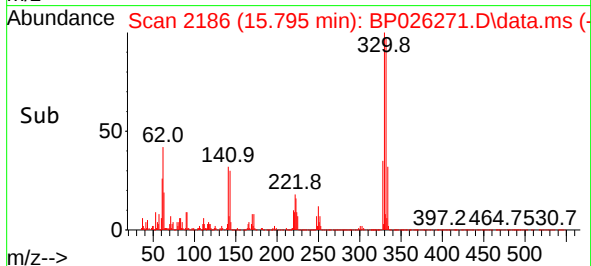
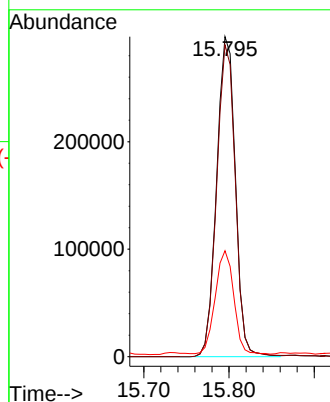
Tgt Ion:330 Resp: 454869

Ion Ratio Lower Upper

330 100

332 96.9 78.0 117.0

141 32.1 26.8 40.2



#45

2-Fluorobiphenyl

Concen: 33.948 ng

RT: 12.890 min Scan# 1692

Delta R.T. -0.012 min

Lab File: BP026271.D

Acq: 09 Dec 2025 21:45

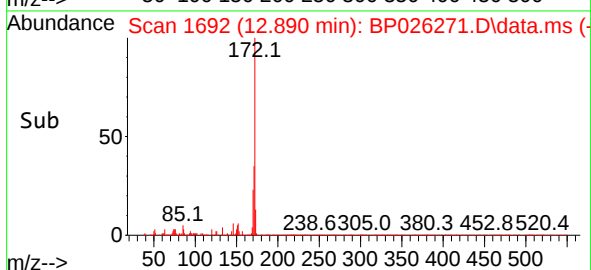
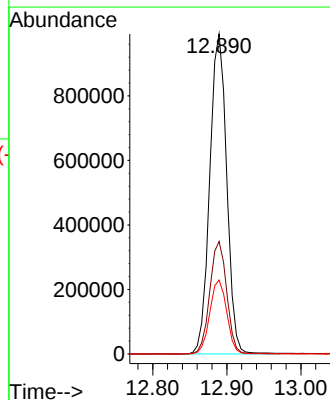
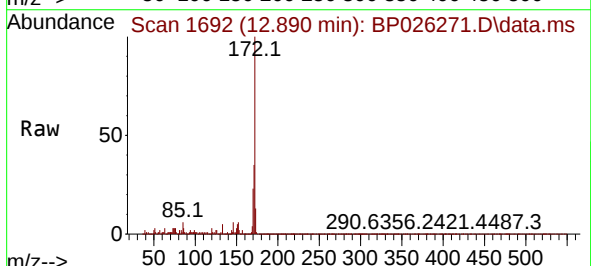
Tgt Ion:172 Resp: 1574861

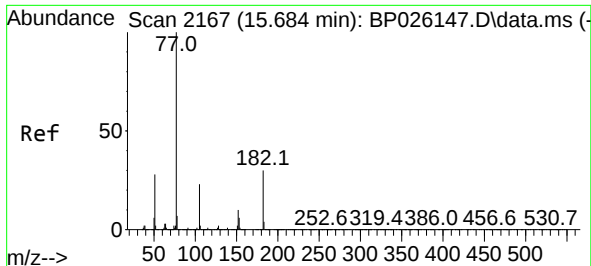
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.1 18.7 28.1

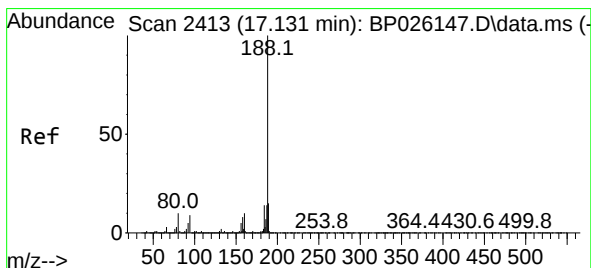
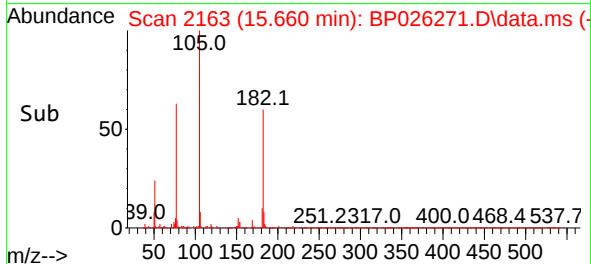
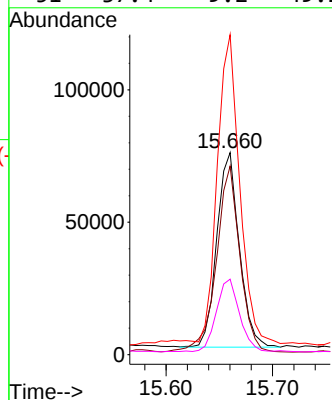
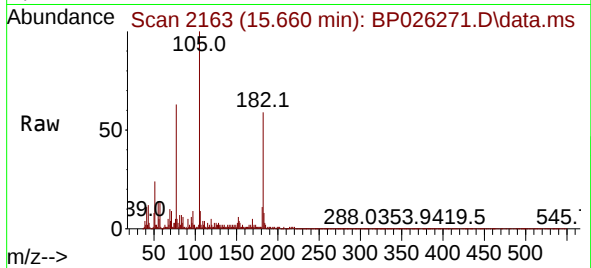




#63
Azobenzene
Concen: 2.527 ng
RT: 15.660 min Scan# 2163
Delta R.T. 0.006 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

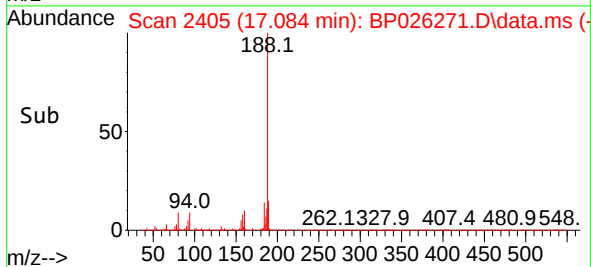
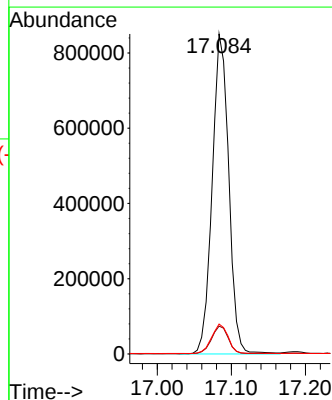
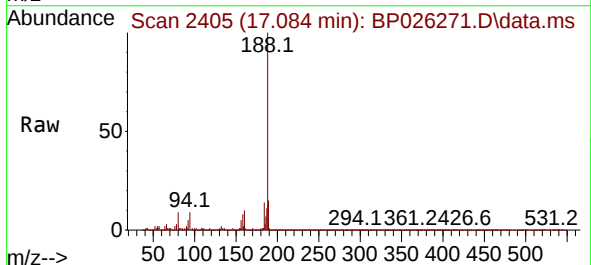
Instrument :
BNA_P
ClientSampleId :
TR-05-12-5-2025

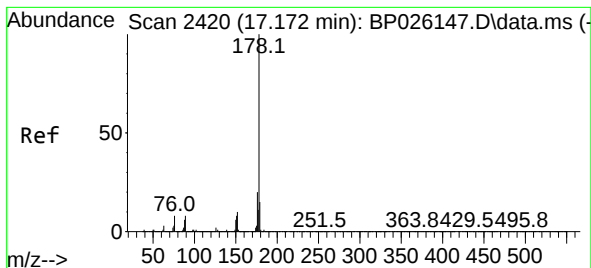
Tgt Ion: 77 Resp: 107101
Ion Ratio Lower Upper
77 100
182 93.3 8.8 48.8#
105 158.4 2.6 42.6#
51 37.4 9.2 49.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.084 min Scan# 2405
Delta R.T. -0.012 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

Tgt Ion:188 Resp: 1318520
Ion Ratio Lower Upper
188 100
94 8.7 7.8 11.6
80 9.3 8.2 12.2





#71

Phenanthrene

Concen: 2.031 ng

RT: 17.131 min Scan# 24

Delta R.T. -0.006 min

Lab File: BP026271.D

Acq: 09 Dec 2025 21:45

Instrument :

BNA_P

ClientSampleId :

TR-05-12-5-2025

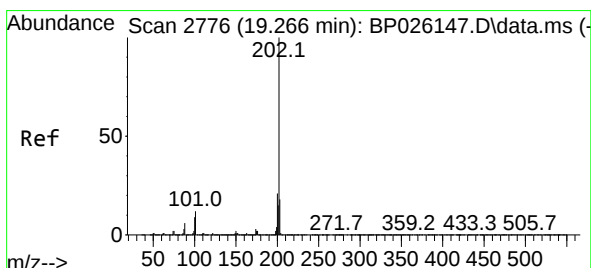
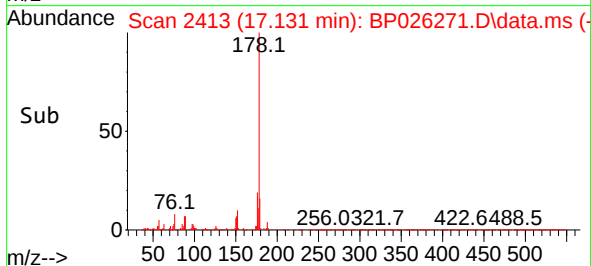
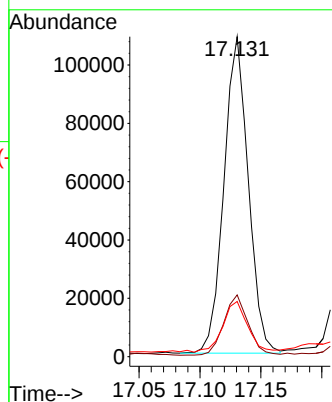
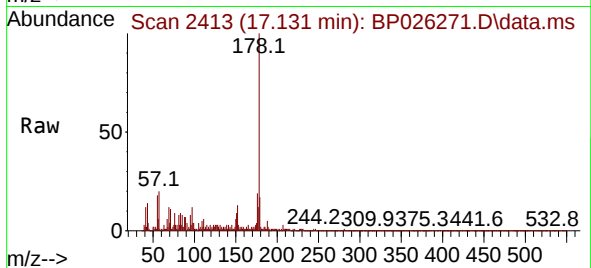
Tgt Ion:178 Resp: 150937

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 17.3 12.4 18.6



#75

Fluoranthene

Concen: 3.031 ng

RT: 19.230 min Scan# 2770

Delta R.T. -0.006 min

Lab File: BP026271.D

Acq: 09 Dec 2025 21:45

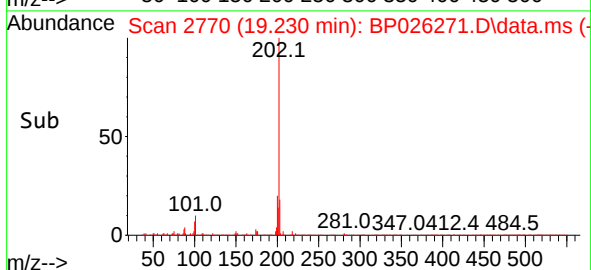
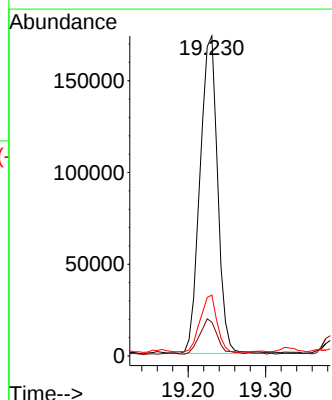
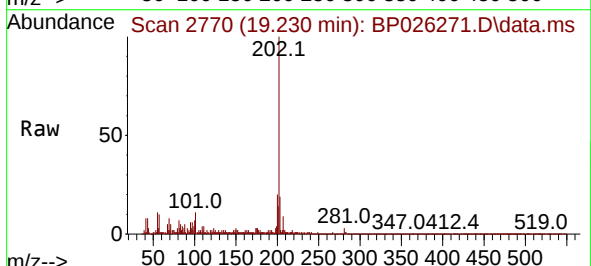
Tgt Ion:202 Resp: 274182

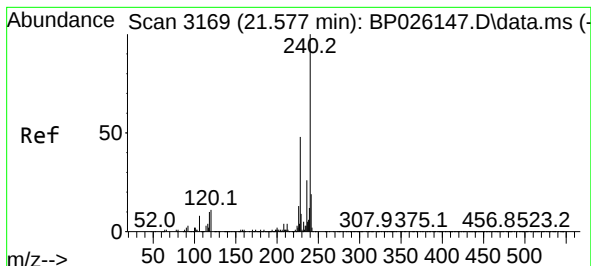
Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.2

203 19.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.536 min Scan# 3162

Delta R.T. -0.000 min

Lab File: BP026271.D

Acq: 09 Dec 2025 21:45

Instrument :

BNA_P

ClientSampleId :

TR-05-12-5-2025

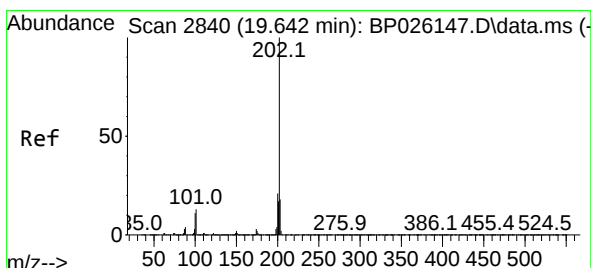
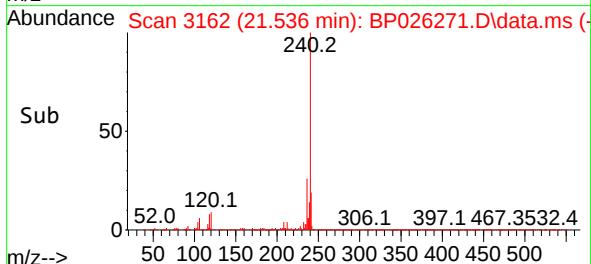
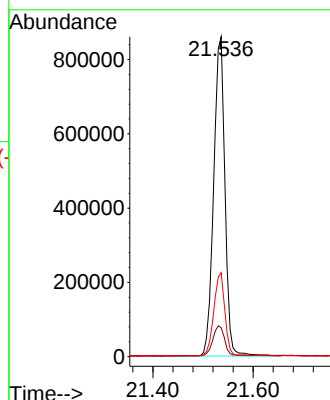
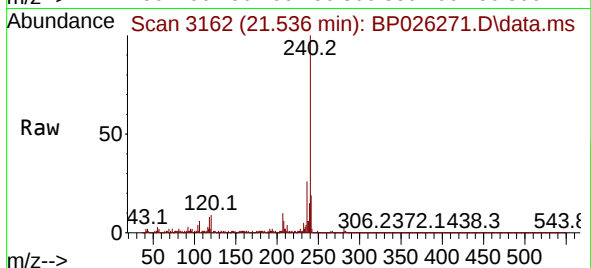
Tgt Ion:240 Resp: 1340684

Ion Ratio Lower Upper

240 100

120 9.1 9.0 13.4

236 26.3 20.4 30.6



#78

Pyrene

Concen: 3.044 ng

RT: 19.607 min Scan# 2834

Delta R.T. -0.006 min

Lab File: BP026271.D

Acq: 09 Dec 2025 21:45

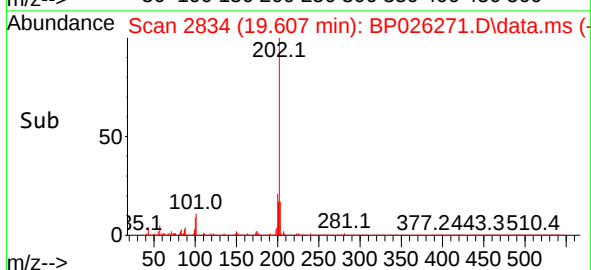
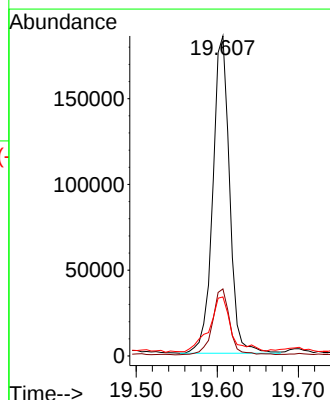
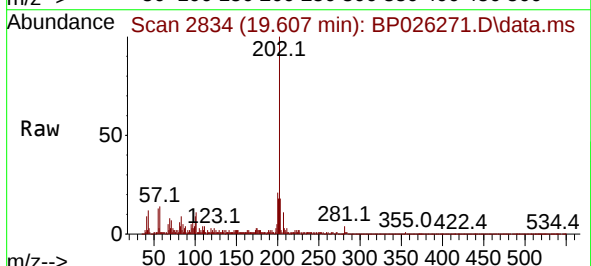
Tgt Ion:202 Resp: 265945

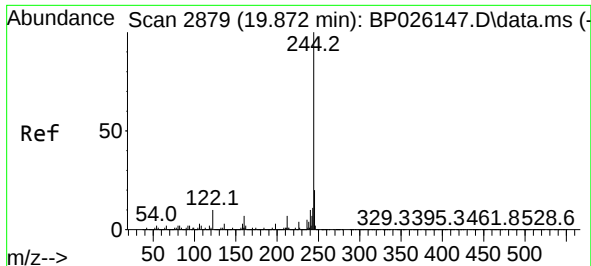
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 18.4 13.8 20.8

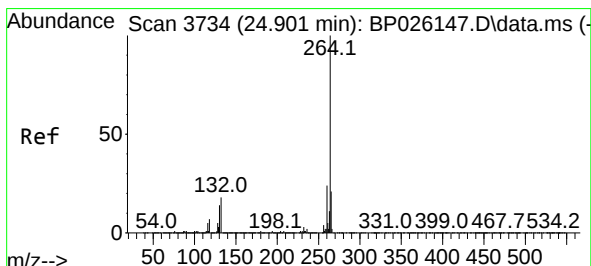
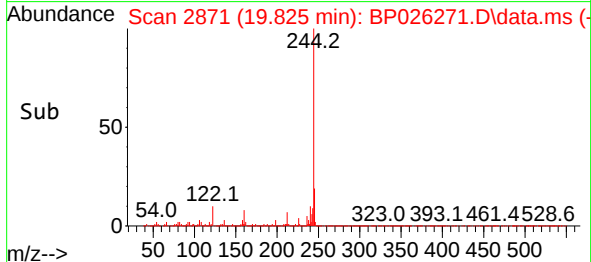
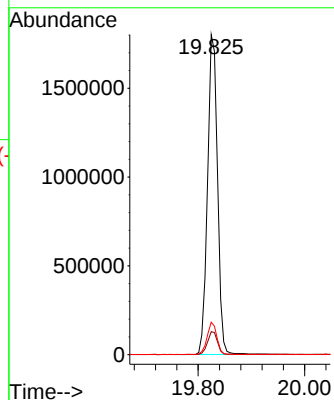
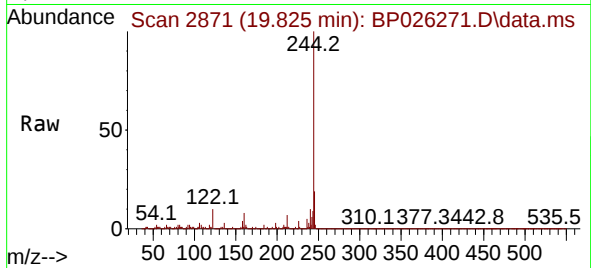




#79
 Terphenyl-d14
 Concen: 35.901 ng
 RT: 19.825 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP026271.D
 Acq: 09 Dec 2025 21:45

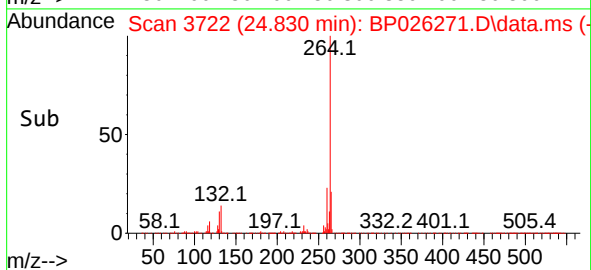
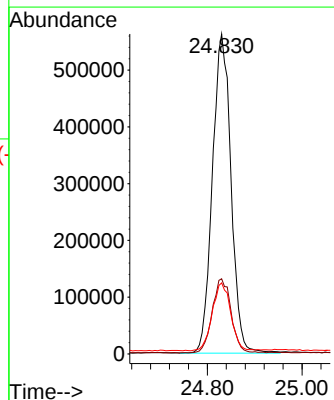
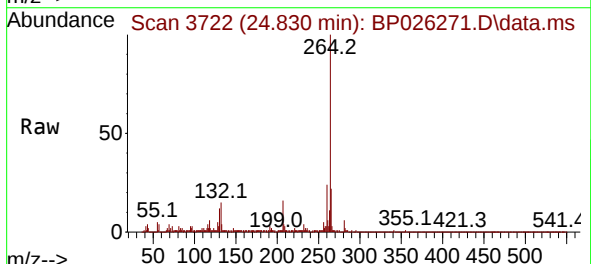
Instrument :
 BNA_P
 ClientSampleId :
 TR-05-12-5-2025

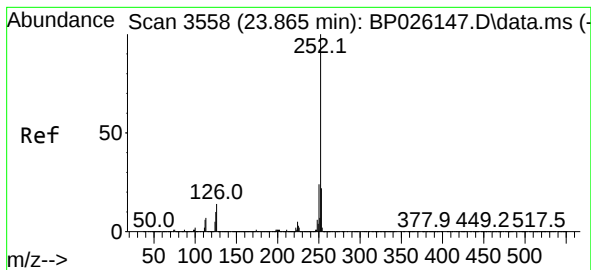
Tgt Ion:244 Resp: 2354909
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 10.1 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.830 min Scan# 3722
 Delta R.T. 0.006 min
 Lab File: BP026271.D
 Acq: 09 Dec 2025 21:45

Tgt Ion:264 Resp: 1531699
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 22.2 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.359 ng

RT: 23.789 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP026271.D

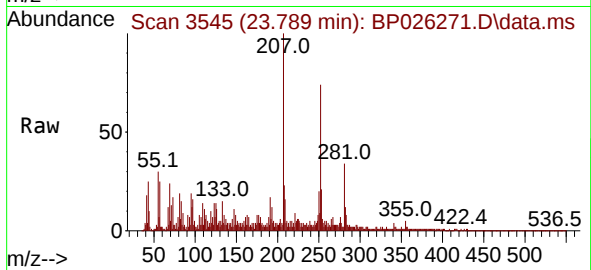
Acq: 09 Dec 2025 21:45

Instrument :

BNA_P

ClientSampleId :

TR-05-12-5-2025



Tgt Ion:252 Resp: 219571

Ion Ratio Lower Upper

252 100

253 28.9 17.6 26.4#

125 19.0 8.2 12.4#

