

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)

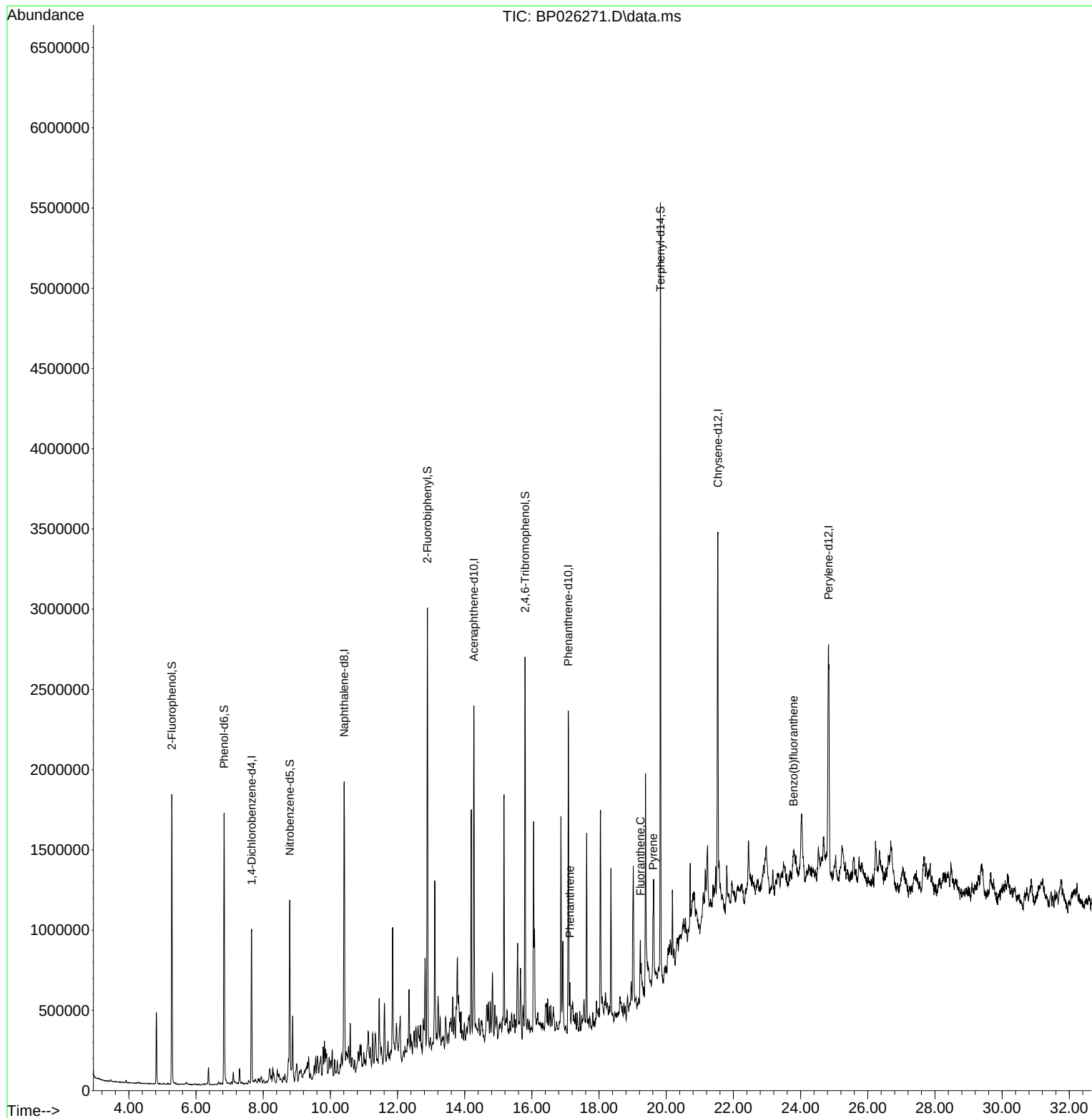
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.655	152	268587	20.000	ng	0.00
21) Naphthalene-d8	10.413	136	1076557	20.000	ng	0.00
39) Acenaphthene-d10	14.272	164	674453	20.000	ng	-0.02
64) Phenanthrene-d10	17.084	188	1318520	20.000	ng	-0.01
76) Chrysene-d12	21.536	240	1340684	20.000	ng	0.00
86) 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
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

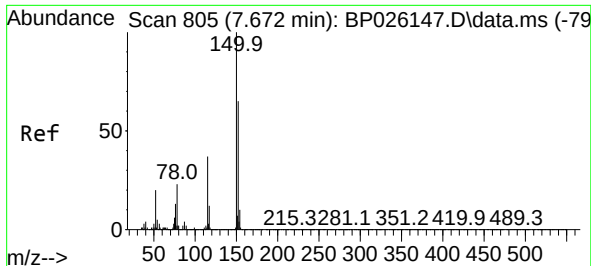
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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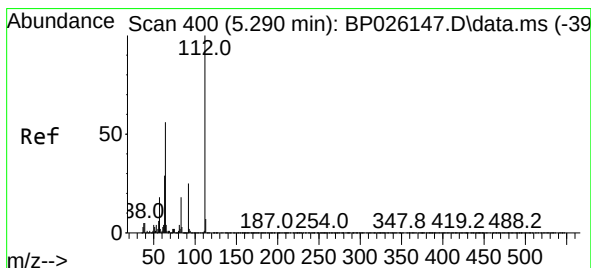
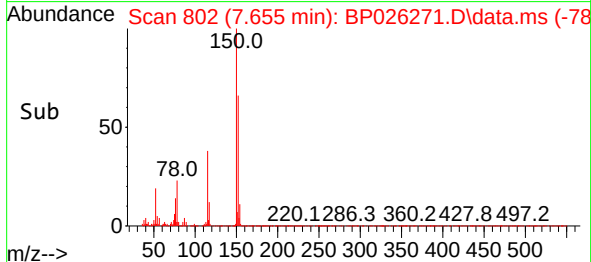
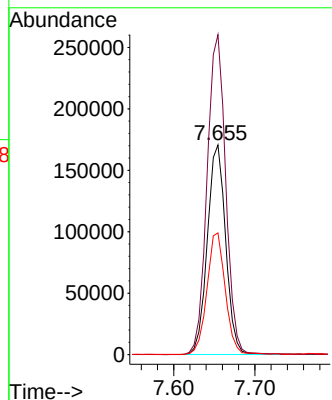
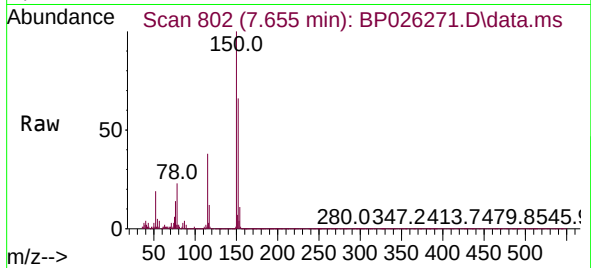




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.655 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

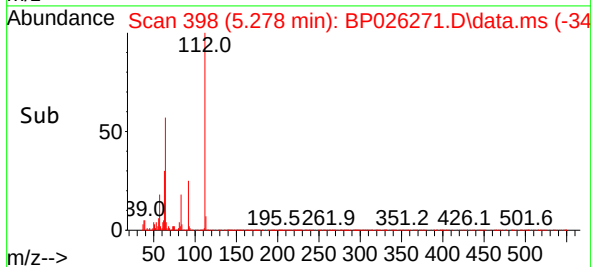
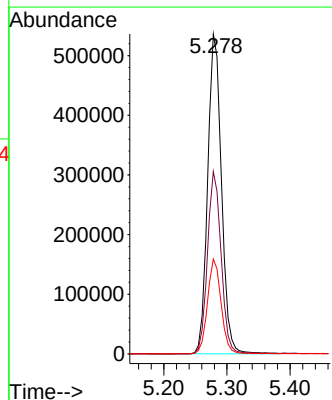
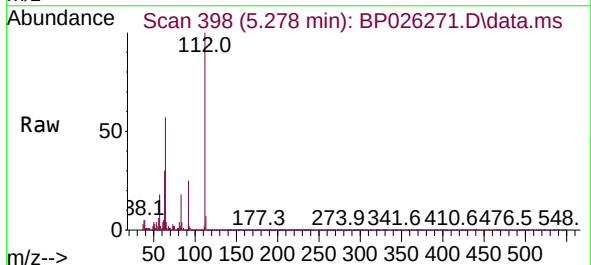
Instrument :
BNA_P
ClientSampleId :
TR-05-12-5-2025

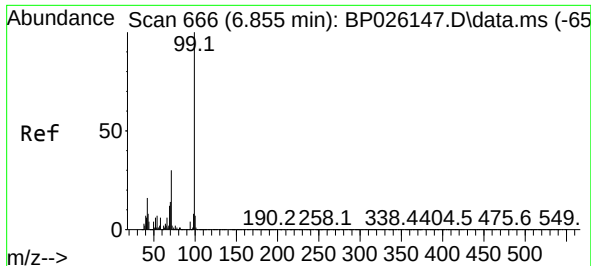
Tgt Ion:152 Resp: 268587
Ion Ratio Lower Upper
152 100
150 152.6 123.0 184.6
115 58.0 46.3 69.5



#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

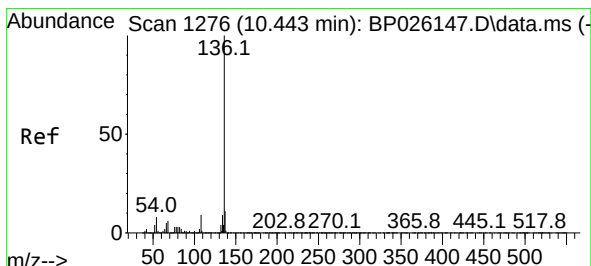
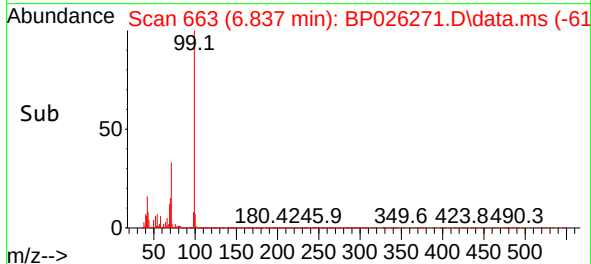
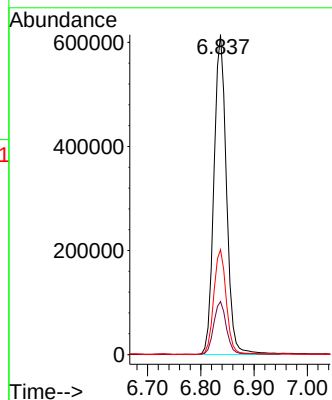
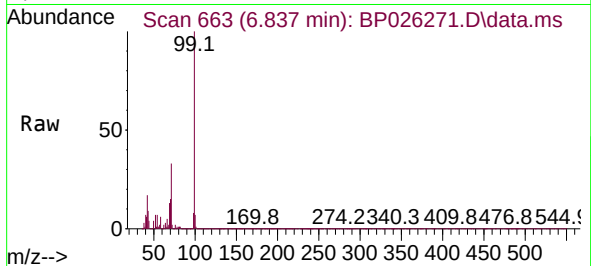




#7
Phenol-d6
Concen: 47.861 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.000 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

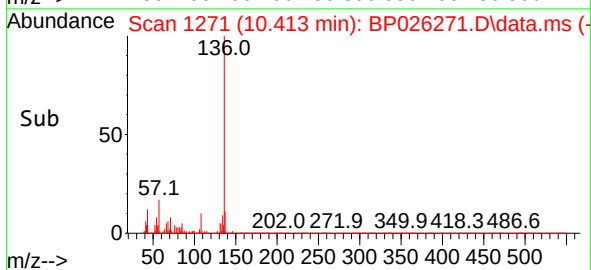
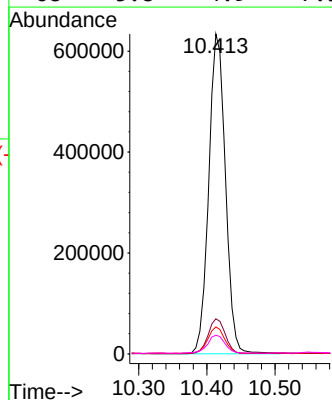
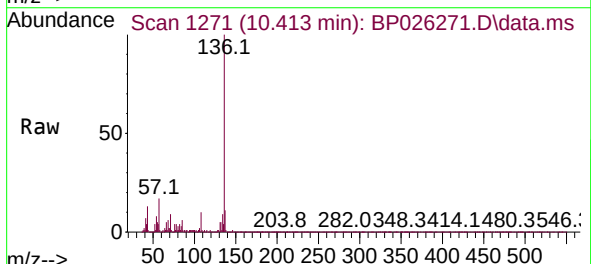
Instrument :
BNA_P
ClientSampleId :
TR-05-12-5-2025

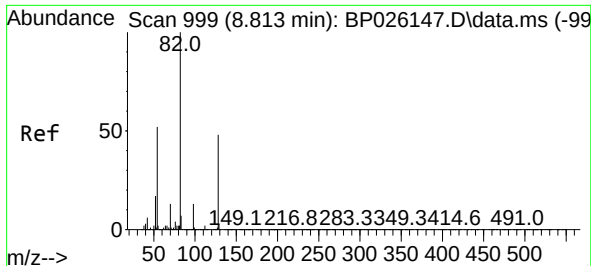
Tgt Ion: 99 Resp: 1009309
Ion Ratio Lower Upper
99 100
42 16.6 12.9 19.3
71 32.8 24.8 37.2



#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

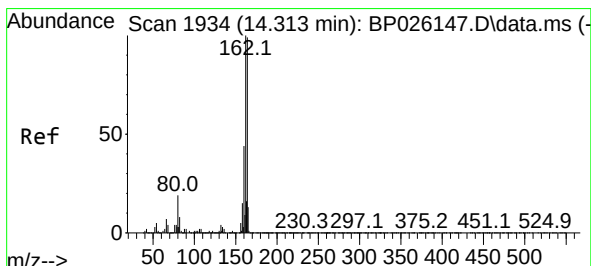
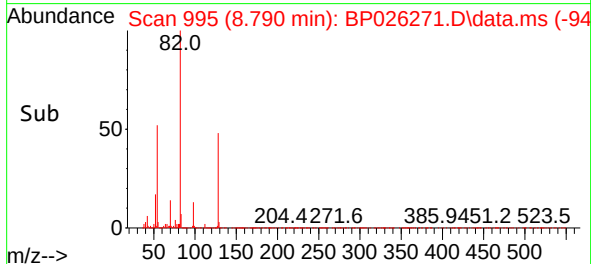
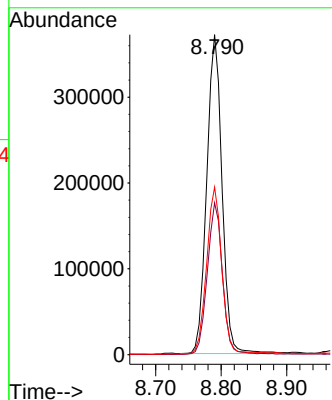
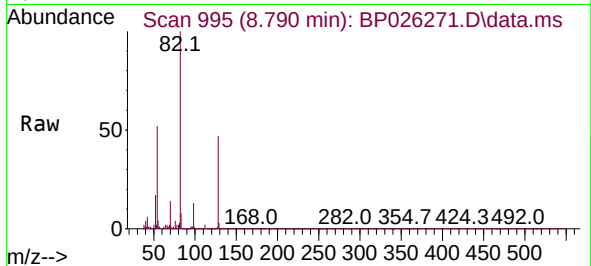




#23
Nitrobenzene-d5
Concen: 31.712 ng
RT: 8.790 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

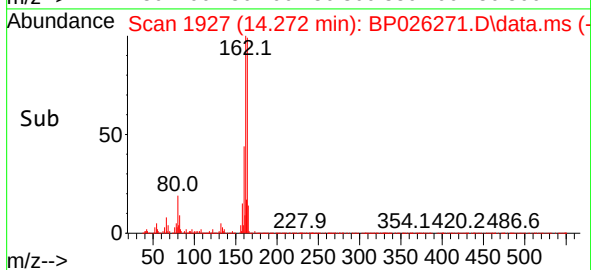
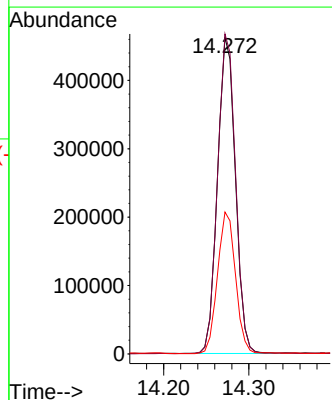
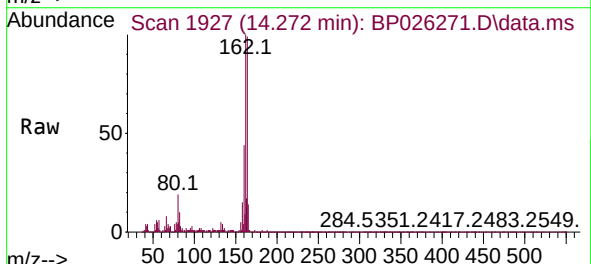
Instrument :
BNA_P
ClientSampleId :
TR-05-12-5-2025

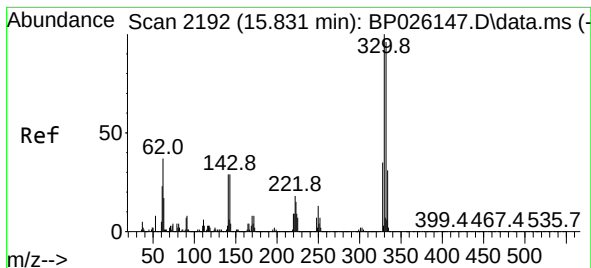
Tgt Ion: 82 Resp: 599787
Ion Ratio Lower Upper
82 100
128 47.4 37.4 56.0
54 52.3 41.6 62.4



#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

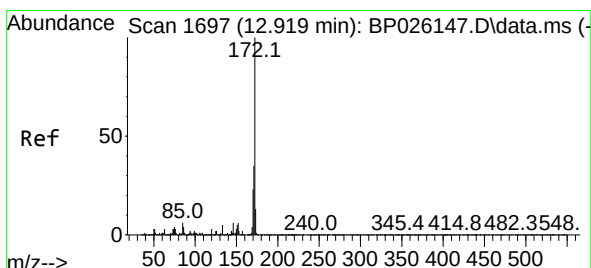
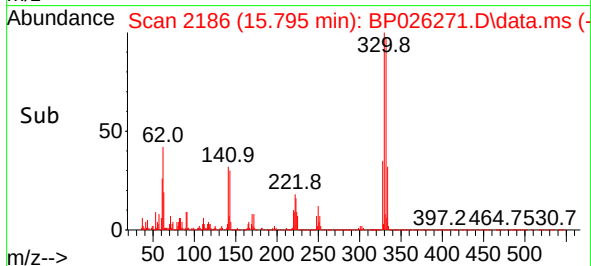
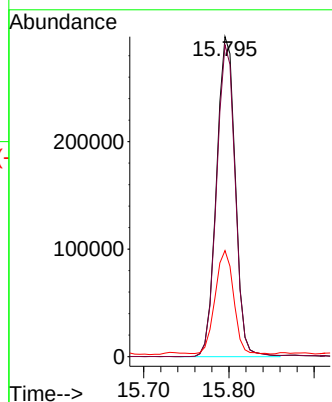
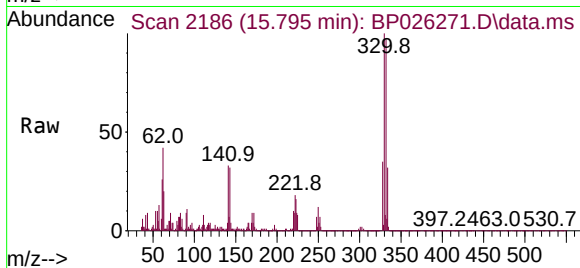




#42
2,4,6-Tribromophenol
Concen: 51.860 ng
RT: 15.795 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

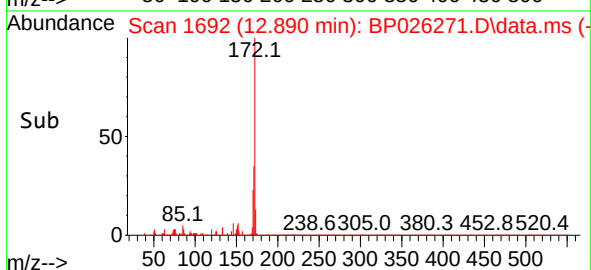
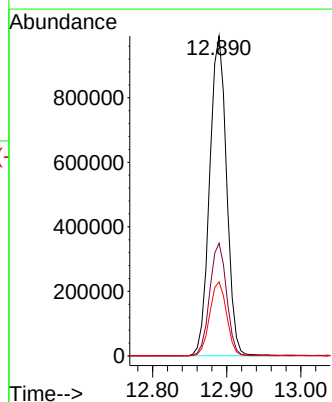
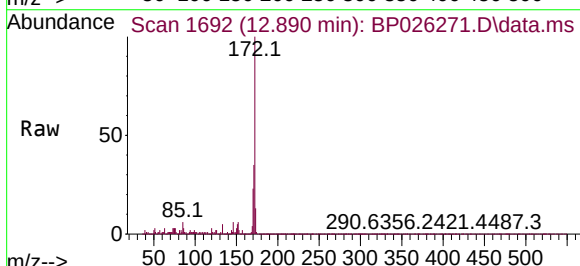
Instrument :
BNA_P
ClientSampleId :
TR-05-12-5-2025

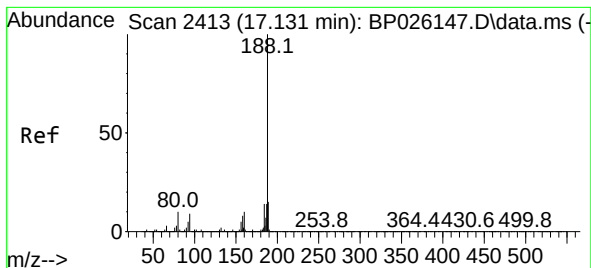
Tgt Ion: 330 Resp: 454869
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 32.1 26.8 40.2



#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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.084 min Scan# 2413

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

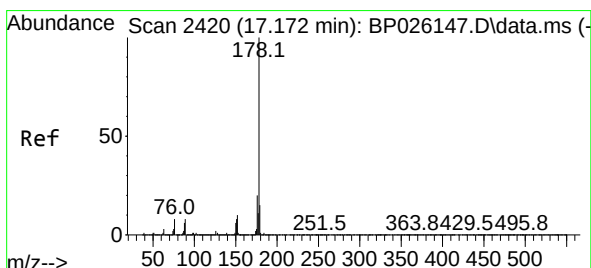
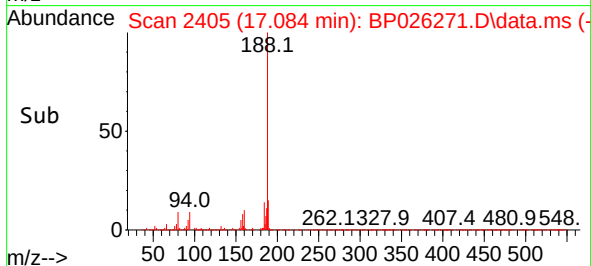
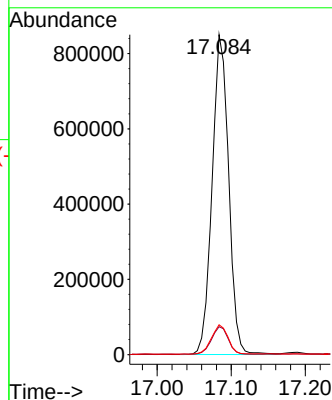
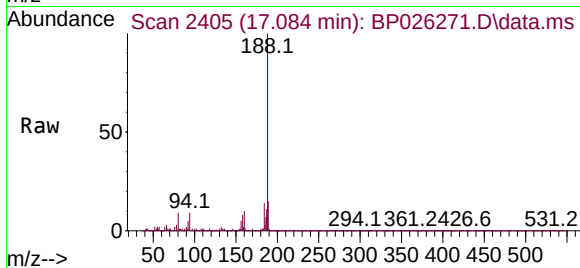
Tgt Ion:188 Resp: 1318520

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# 2413

Delta R.T. -0.006 min

Lab File: BP026271.D

Acq: 09 Dec 2025 21:45

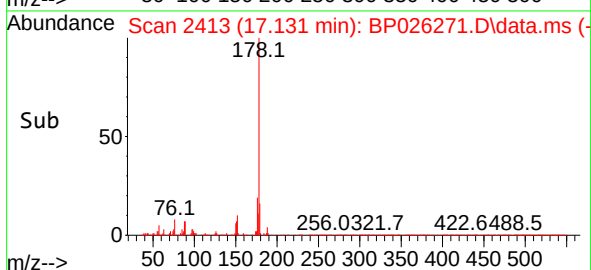
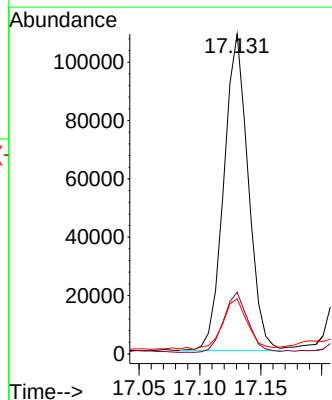
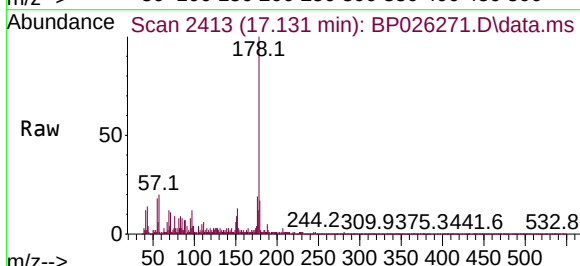
Tgt Ion:178 Resp: 150937

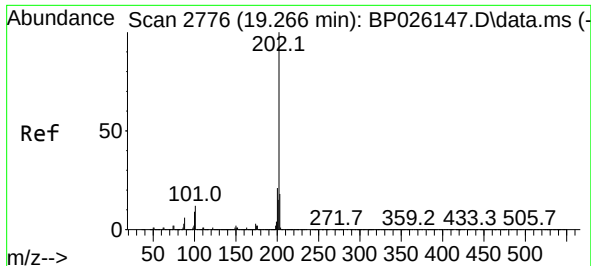
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 17.3 12.4 18.6

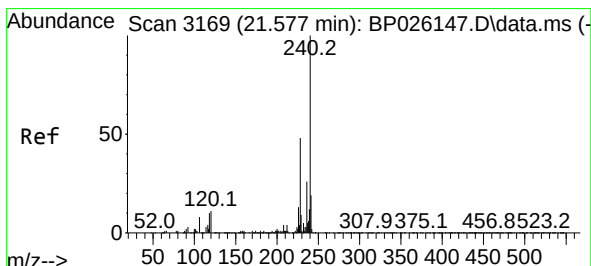
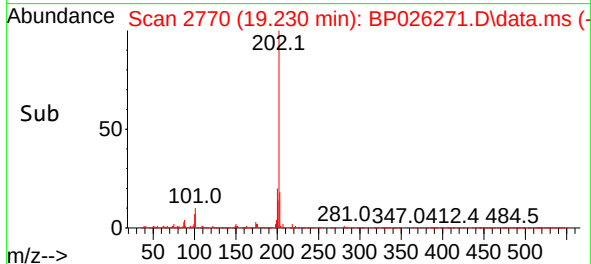
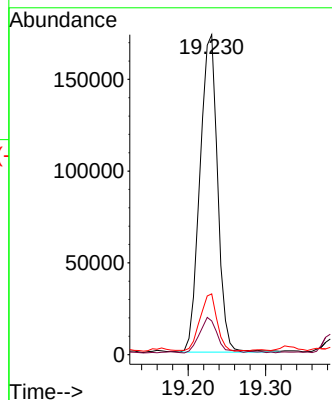
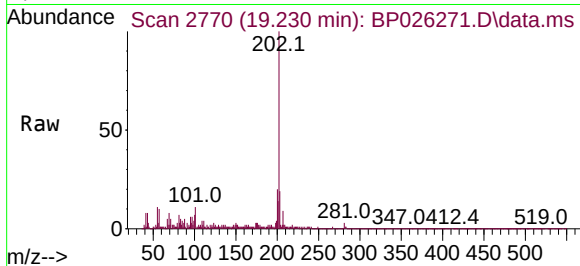




#75
Fluoranthene
Concen: 3.031 ng
RT: 19.230 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026271.D
Acq: 09 Dec 2025 21:45

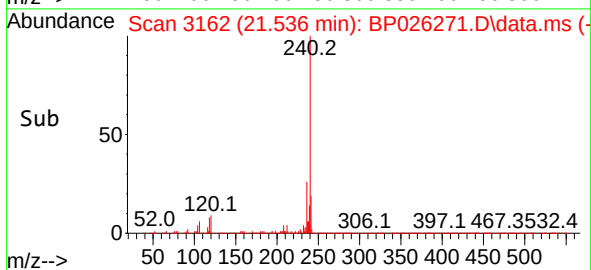
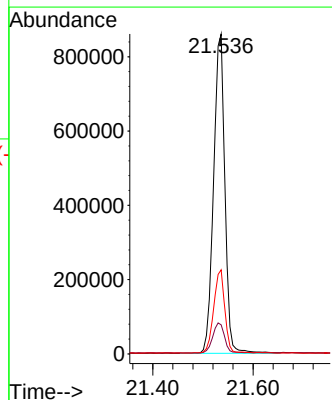
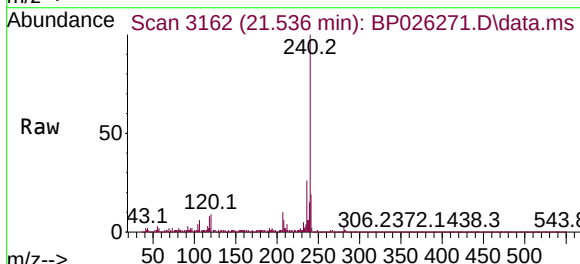
Instrument :
BNA_P
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TR-05-12-5-2025

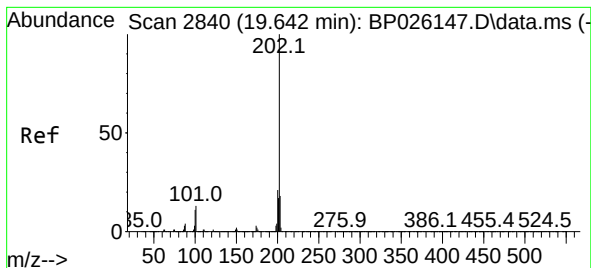
Tgt Ion:202 Resp: 274182
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.2
203 19.0 0.0 37.7



#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

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# 281

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

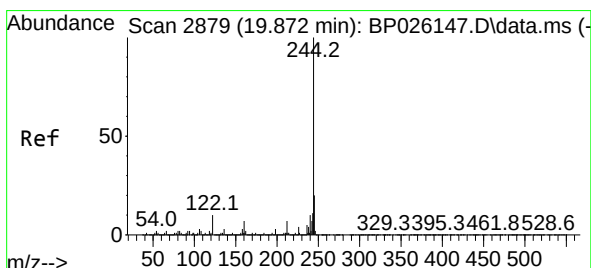
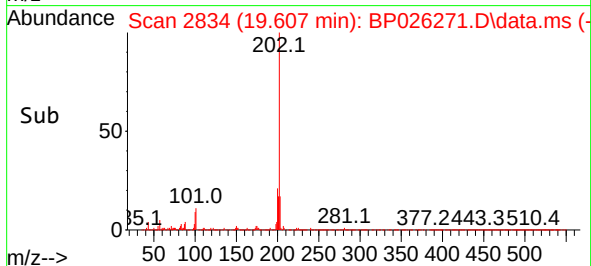
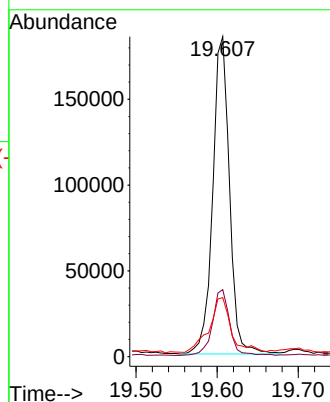
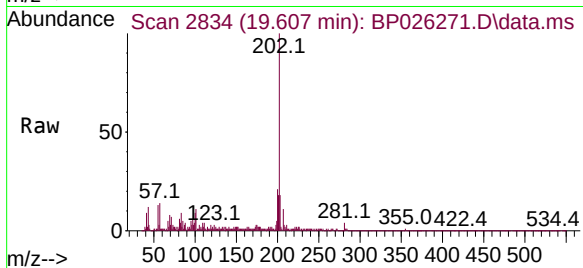
Tgt Ion:202 Resp: 265945

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# 2871

Delta R.T. -0.012 min

Lab File: BP026271.D

Acq: 09 Dec 2025 21:45

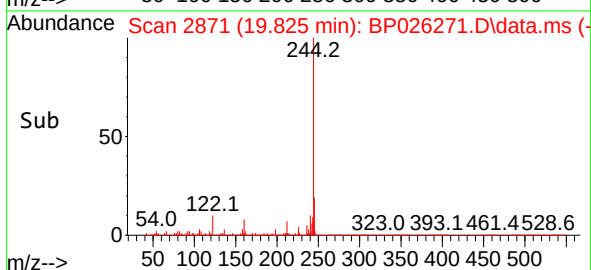
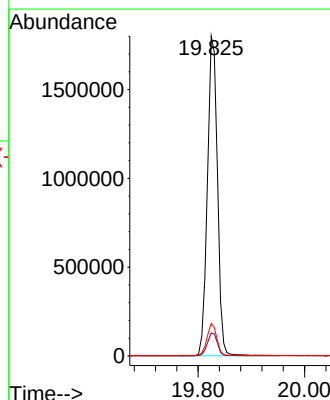
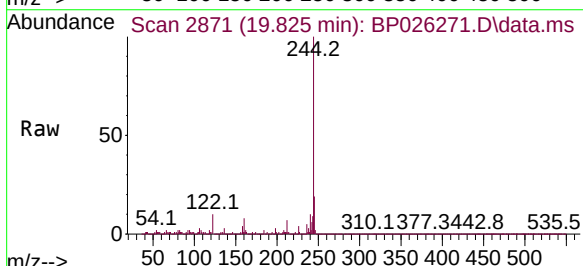
Tgt Ion:244 Resp: 2354909

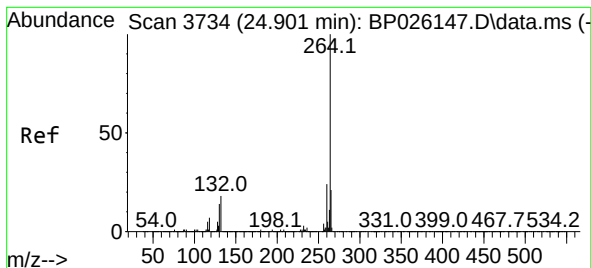
Ion Ratio Lower Upper

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# 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

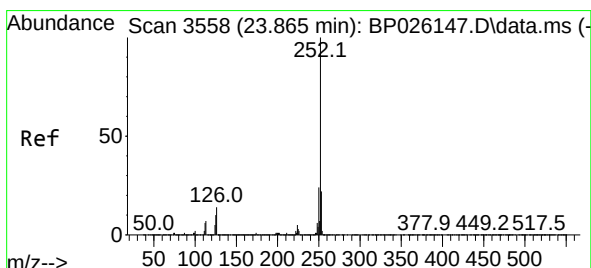
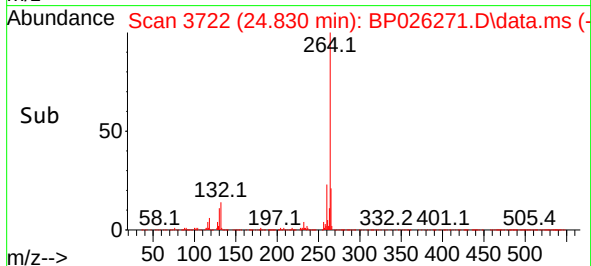
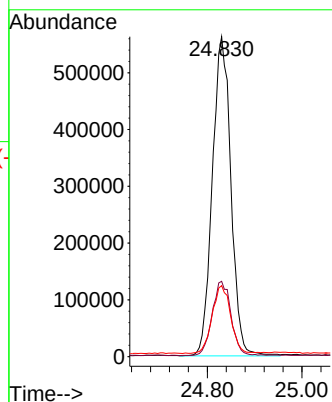
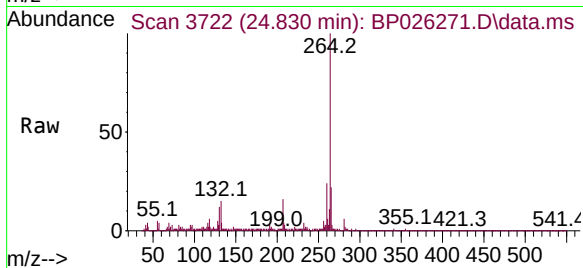
Tgt Ion:264 Resp: 1531699

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# 3545

Delta R.T. -0.006 min

Lab File: BP026271.D

Acq: 09 Dec 2025 21:45

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#

