

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071525\
 Data File : BP025149.D
 Acq On : 15 Jul 2025 17:21
 Operator : CG/JU
 Sample : Q2590-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NB-7-071125

Quant Time: Jul 15 17:41:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

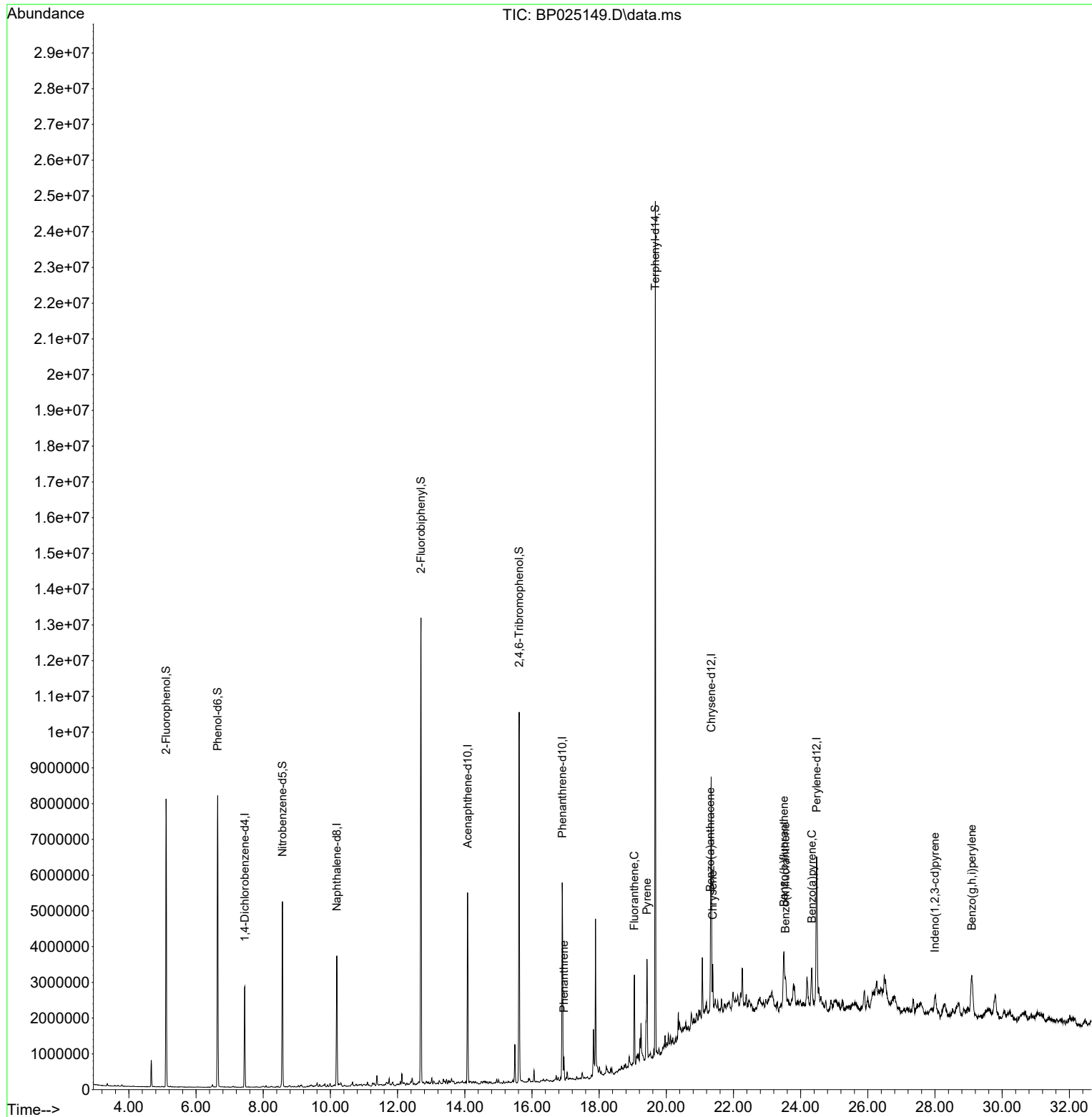
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.449	152	788619	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	3195915	20.000	ng	0.00
39) Acenaphthene-d10	14.084	164	2008291	20.000	ng	0.00
64) Phenanthrene-d10	16.901	188	3842474	20.000	ng	0.00
76) Chrysene-d12	21.336	240	3684224	20.000	ng	0.00
86) Perylene-d12	24.477	264	4143842	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	3702509	83.187	ng	0.01
7) Phenol-d6	6.643	99	4775228	82.215	ng	0.01
23) Nitrobenzene-d5	8.572	82	2846406	59.232	ng	0.00
42) 2,4,6-Tribromophenol	15.619	330	2368084	99.815	ng	0.00
45) 2-Fluorobiphenyl	12.695	172	7509334	57.926	ng	0.00
79) Terphenyl-d14	19.672	244	10348496	61.733	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	16.954	178	445817	2.171	ng	99
75) Fluoranthene	19.048	202	1764423	7.352	ng	100
78) Pyrene	19.424	202	1572279	6.890	ng	98
81) Benzo(a)anthracene	21.313	228	872719	3.909	ng	97
83) Chrysene	21.383	228	1034163	4.813	ng	97
87) Indeno(1,2,3-cd)pyrene	27.995	276	859584	3.256	ng	# 87
88) Benzo(b)fluoranthene	23.501	252	1561212	6.473	ng	# 95
89) Benzo(k)fluoranthene	23.548	252	552944m	2.304	ng	
90) Benzo(a)pyrene	24.330	252	1018170	4.960	ng	97
92) Benzo(g,h,i)perylene	29.095	276	870540	3.862	ng	99

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

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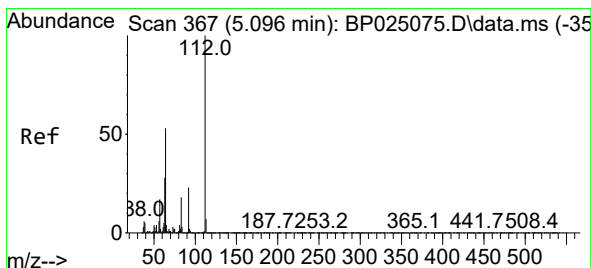
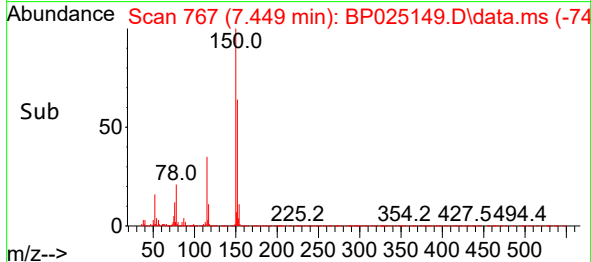
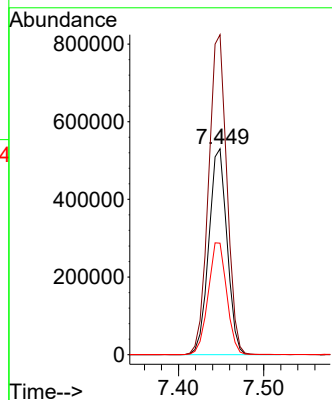
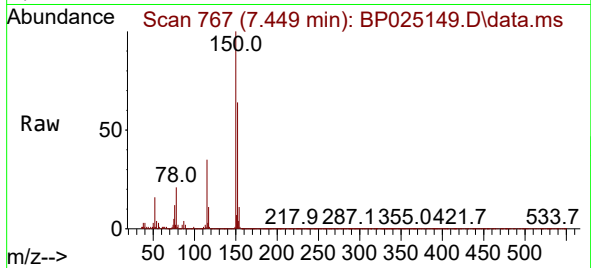




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.449 min Scan# 70
Delta R.T. 0.006 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

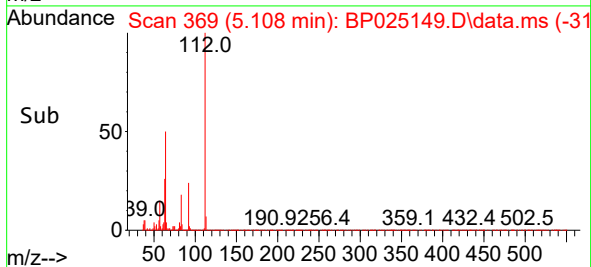
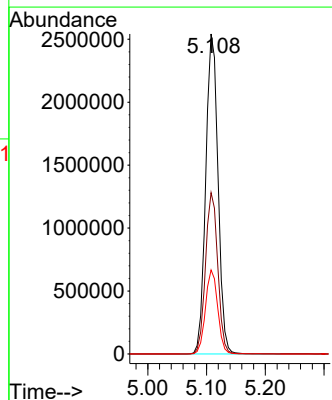
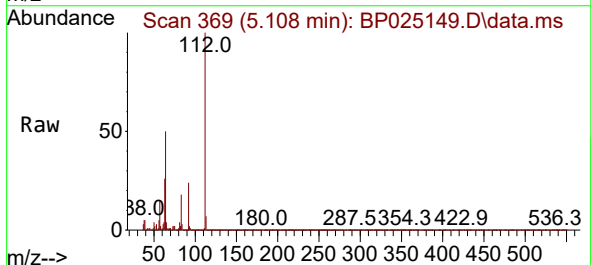
Instrument :
BNA_P
ClientSampleId :
NB-7-071125

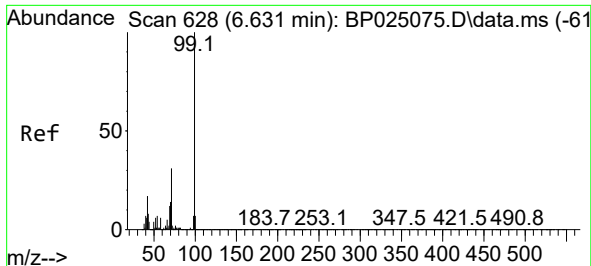
Tgt Ion:152 Resp: 788619
Ion Ratio Lower Upper
152 100
150 155.4 126.1 189.1
115 54.1 44.3 66.5



#5
2-Fluorophenol
Concen: 83.187 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.012 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

Tgt Ion:112 Resp: 3702509
Ion Ratio Lower Upper
112 100
64 50.4 42.0 63.0
63 26.3 22.2 33.2



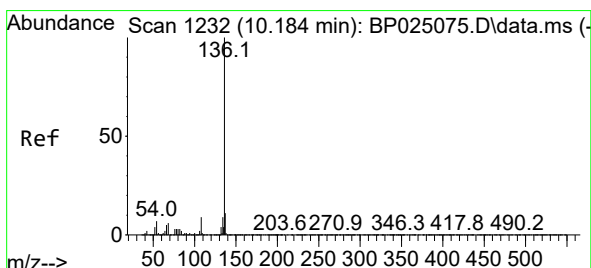
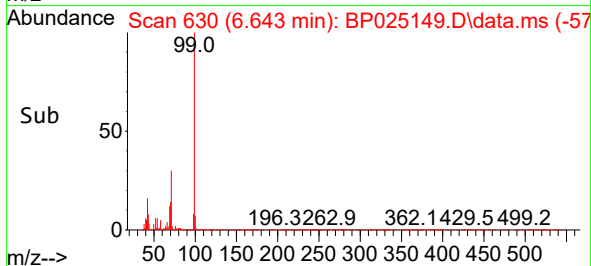
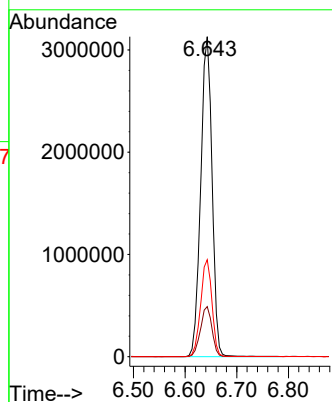
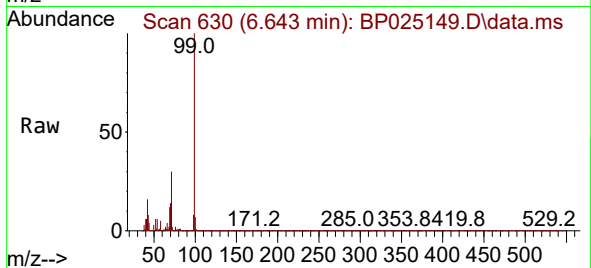


#7
Phenol-d6
Concen: 82.215 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

Instrument :
BNA_P
ClientSampleId :
NB-7-071125

Tgt Ion: 99 Resp: 4775228

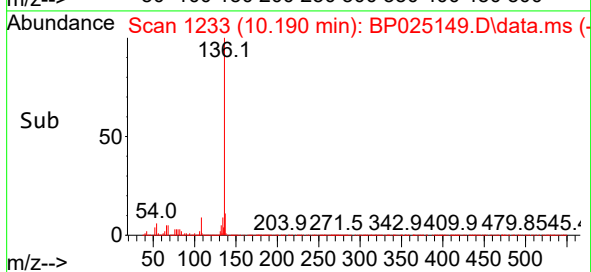
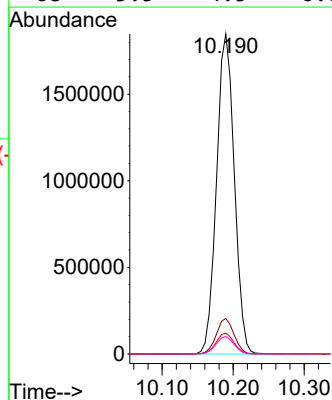
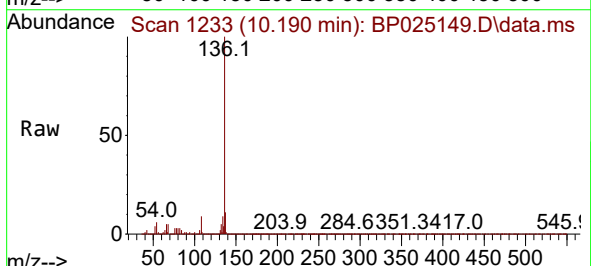
Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.6	20.4
71	30.3	24.4	36.6

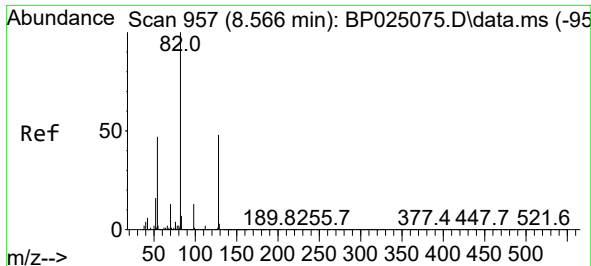


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

Tgt Ion: 136 Resp: 3195915

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	6.5	5.4	8.2
68	5.5	4.5	6.7

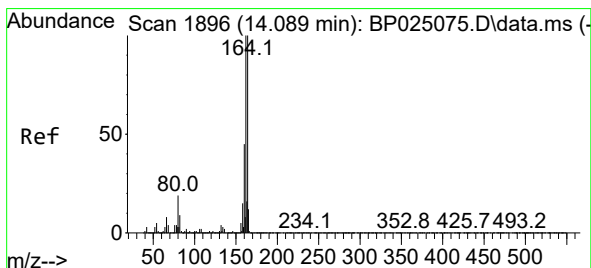
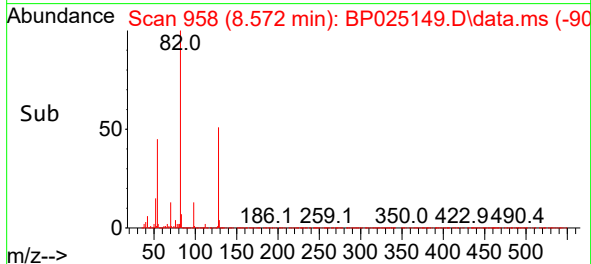
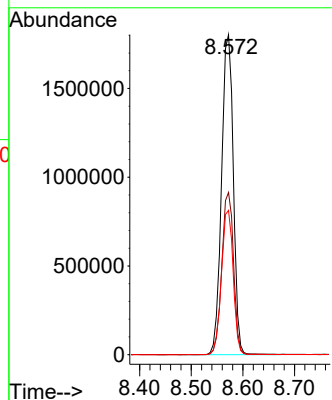
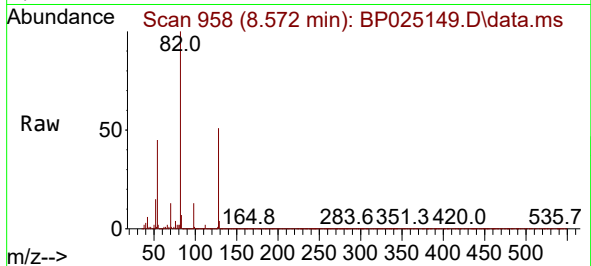




#23
Nitrobenzene-d5
Concen: 59.232 ng
RT: 8.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

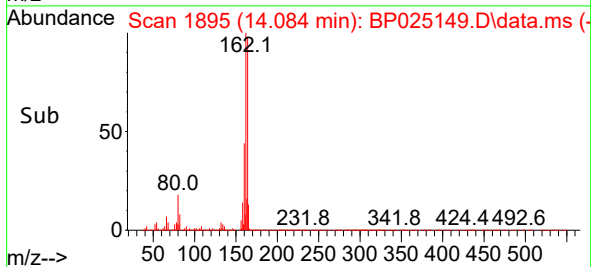
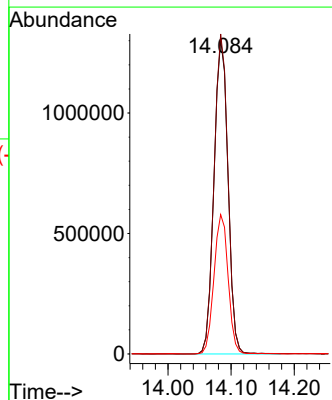
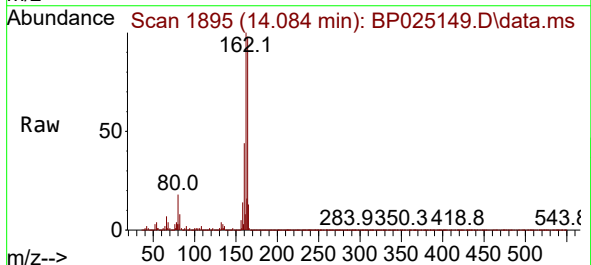
Instrument :
BNA_P
ClientSampleId :
NB-7-071125

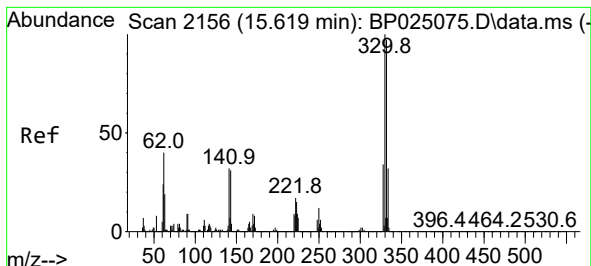
Tgt Ion: 82 Resp: 2846406
Ion Ratio Lower Upper
82 100
128 50.7 38.4 57.6
54 45.1 37.8 56.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.084 min Scan# 1895
Delta R.T. -0.005 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

Tgt Ion:164 Resp: 2008291
Ion Ratio Lower Upper
164 100
162 101.8 80.3 120.5
160 44.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 99.815 ng

RT: 15.619 min Scan# 2156

Delta R.T. 0.000 min

Lab File: BP025149.D

Acq: 15 Jul 2025 17:21

Instrument :

BNA_P

ClientSampleId :

NB-7-071125

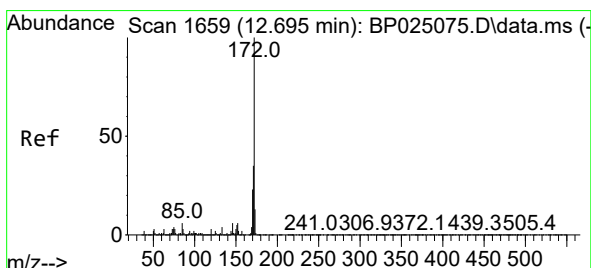
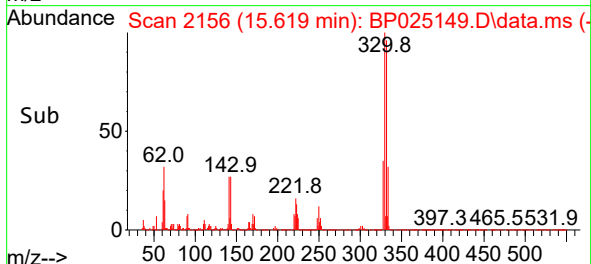
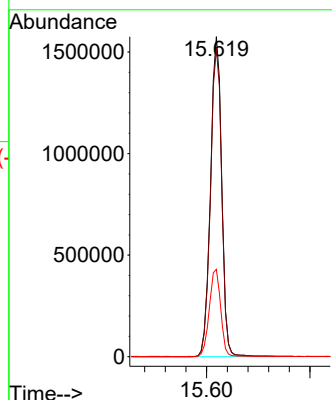
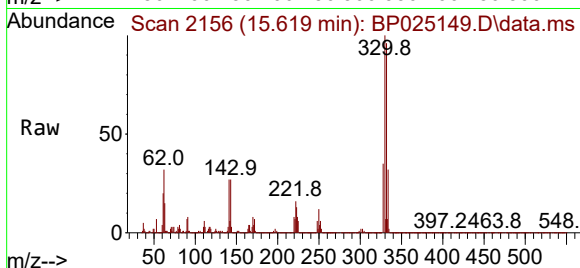
Tgt Ion:330 Resp: 2368084

Ion Ratio Lower Upper

330 100

332 96.9 77.7 116.5

141 27.8 26.0 39.0



#45

2-Fluorobiphenyl

Concen: 57.926 ng

RT: 12.695 min Scan# 1659

Delta R.T. 0.000 min

Lab File: BP025149.D

Acq: 15 Jul 2025 17:21

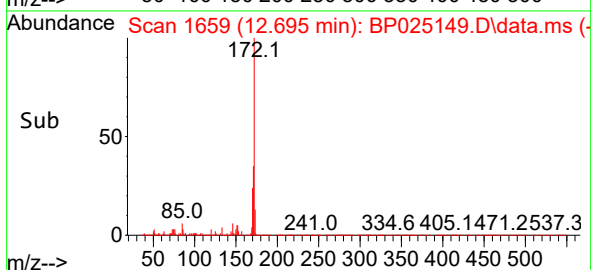
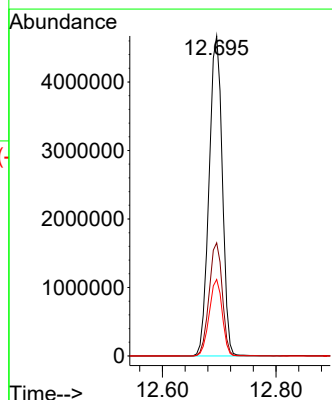
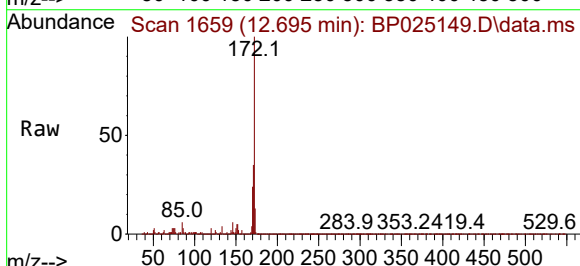
Tgt Ion:172 Resp: 7509334

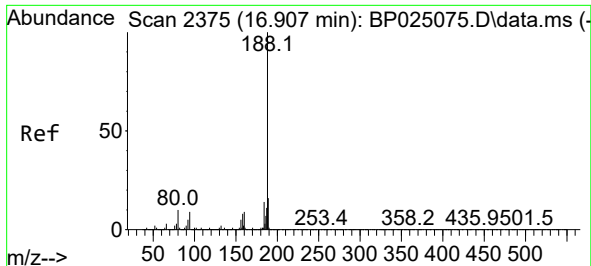
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 23.9 18.7 28.1

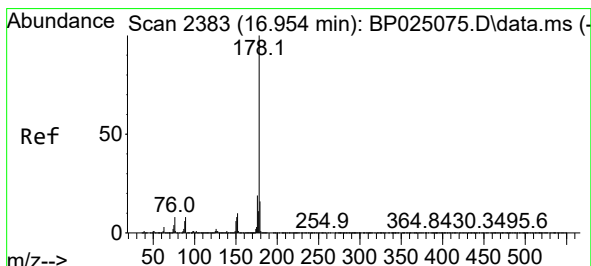
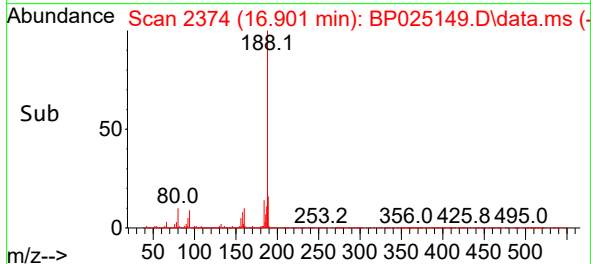
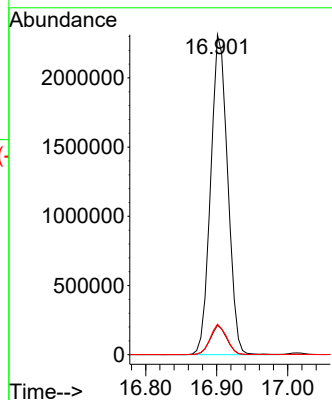
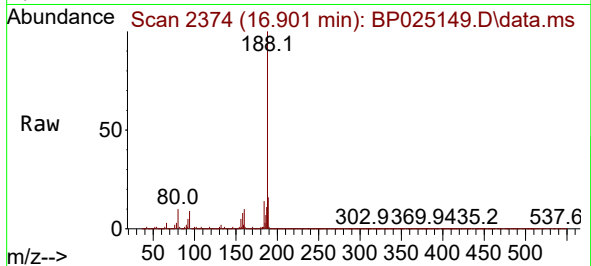




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.901 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

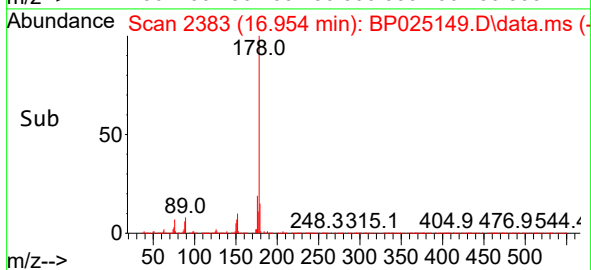
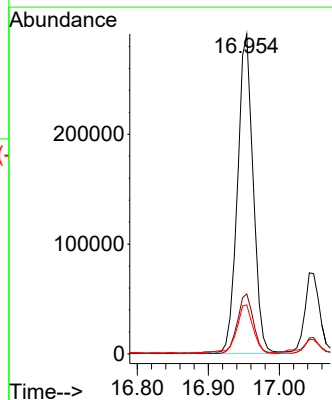
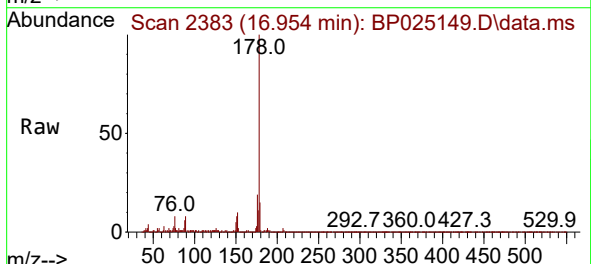
Instrument :
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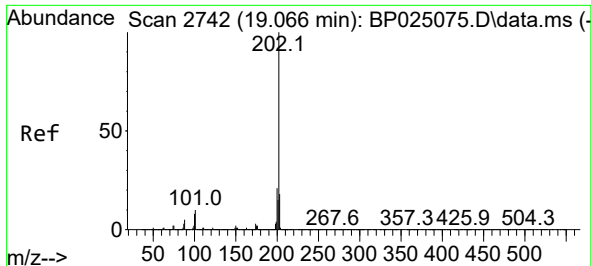
Tgt Ion:188 Resp: 3842474
Ion Ratio Lower Upper
188 100
94 9.1 7.3 10.9
80 9.6 7.8 11.6



#71
Phenanthrene
Concen: 2.171 ng
RT: 16.954 min Scan# 2383
Delta R.T. 0.000 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

Tgt Ion:178 Resp: 445817
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.4 12.6 19.0

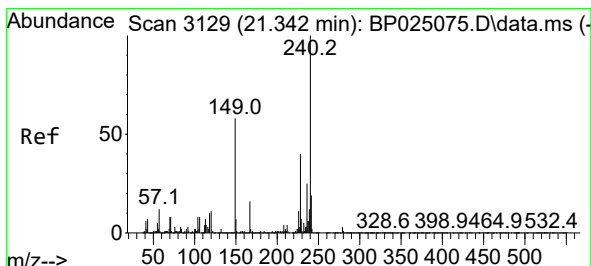
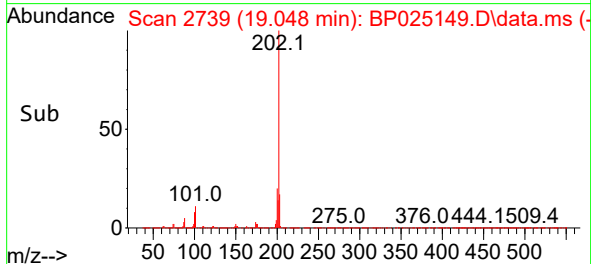
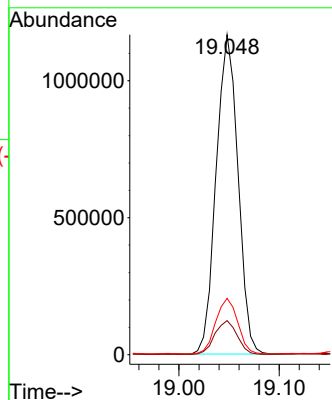
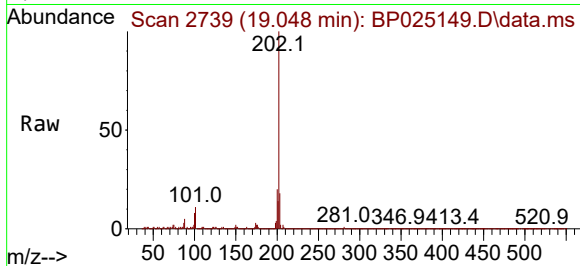




#75
Fluoranthene
Concen: 7.352 ng
RT: 19.048 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

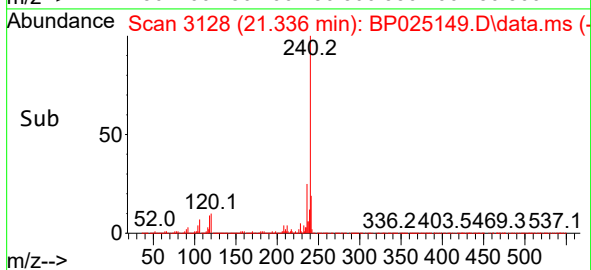
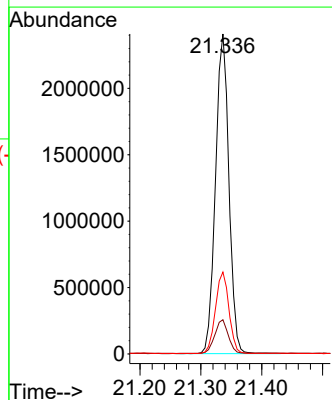
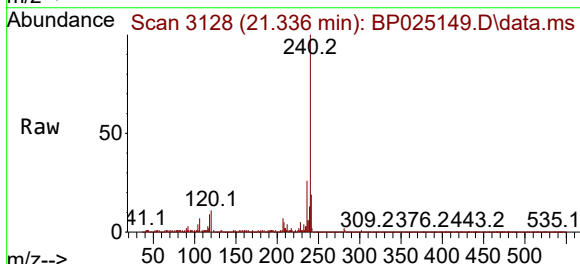
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BNA_P
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NB-7-071125

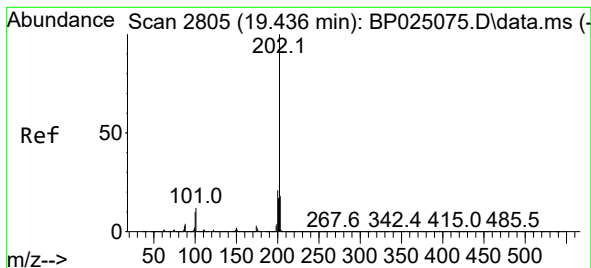
Tgt Ion:202 Resp: 1764423
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.4
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.336 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

Tgt Ion:240 Resp: 3684224
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.4
236 25.6 20.3 30.5





#78

Pyrene

Concen: 6.890 ng

RT: 19.424 min Scan# 2803

Delta R.T. -0.012 min

Lab File: BP025149.D

Acq: 15 Jul 2025 17:21

Instrument :

BNA_P

ClientSampleId :

NB-7-071125

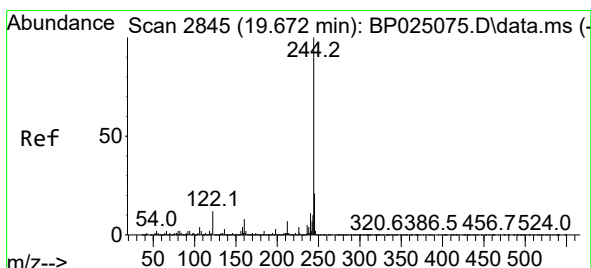
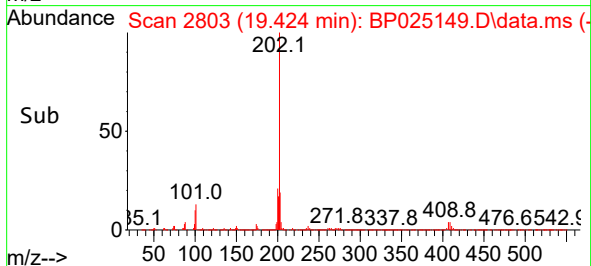
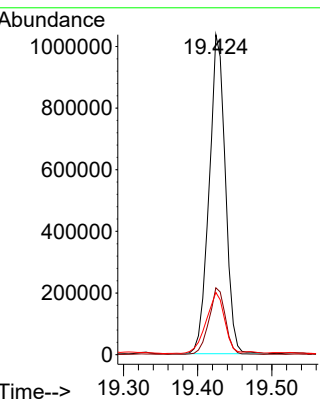
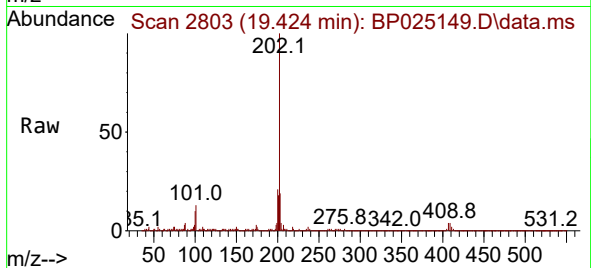
Tgt Ion:202 Resp: 1572279

Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 19.4 14.1 21.1



#79

Terphenyl-d14

Concen: 61.733 ng

RT: 19.672 min Scan# 2845

Delta R.T. 0.000 min

Lab File: BP025149.D

Acq: 15 Jul 2025 17:21

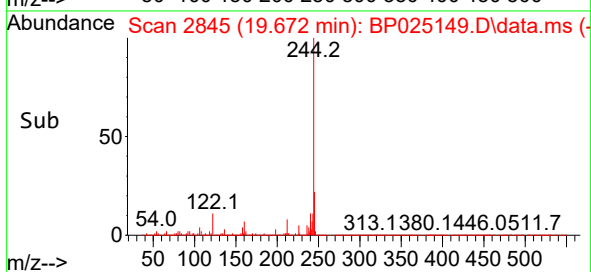
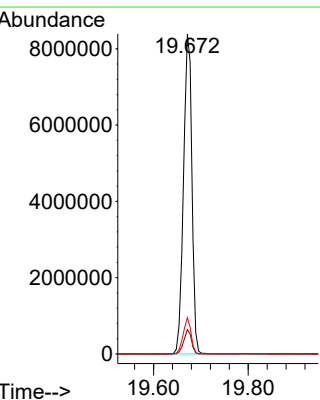
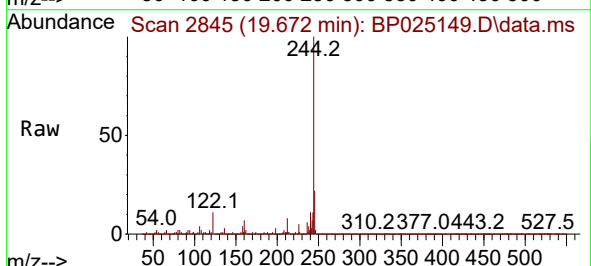
Tgt Ion:244 Resp:10348496

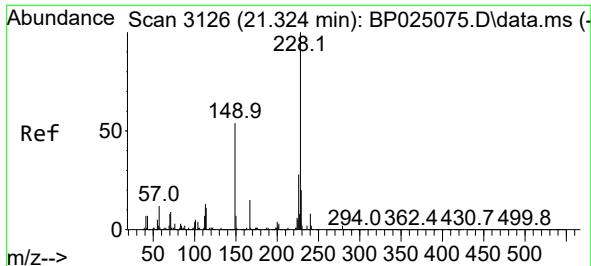
Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 11.4 9.4 14.2

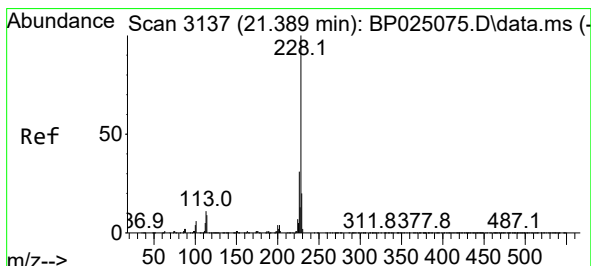
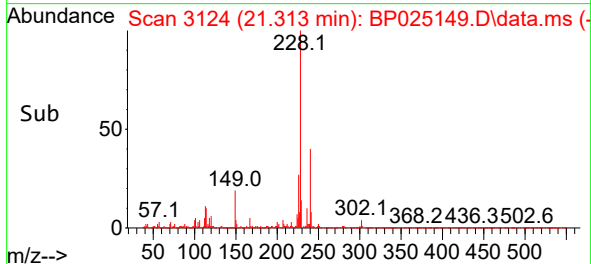
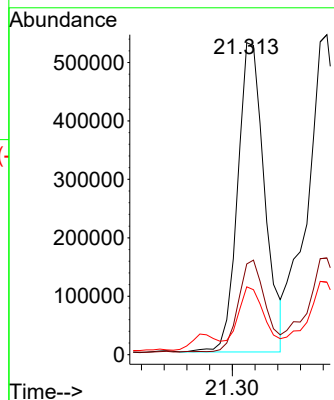
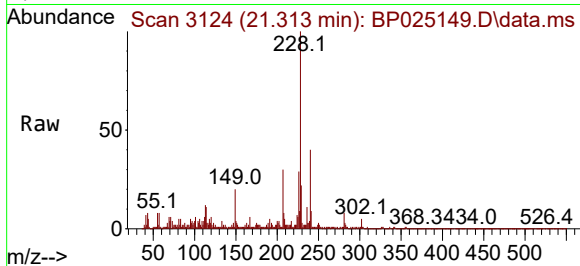




#81
Benzo(a)anthracene
Concen: 3.909 ng
RT: 21.313 min Scan# 3126
Delta R.T. -0.012 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

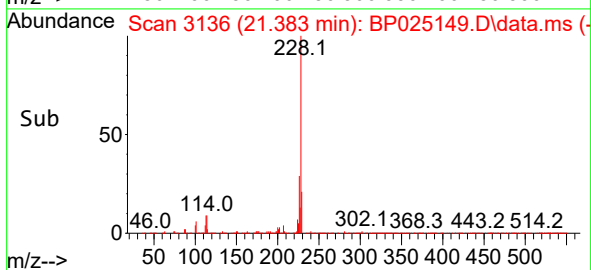
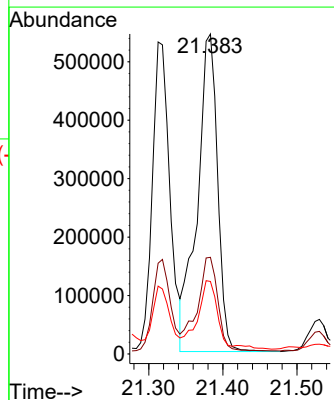
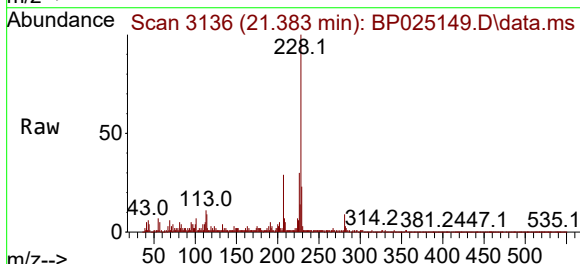
Instrument :
BNA_P
ClientSampleId :
NB-7-071125

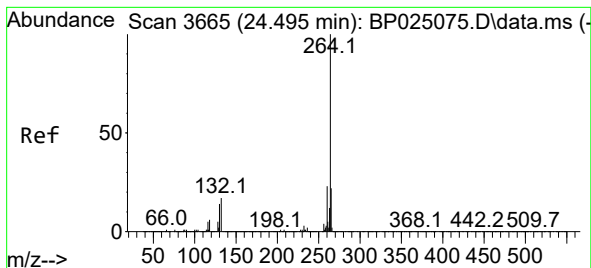
Tgt Ion:228 Resp: 872719
Ion Ratio Lower Upper
228 100
226 29.1 22.1 33.1
229 21.8 16.0 24.0



#83
Chrysene
Concen: 4.813 ng
RT: 21.383 min Scan# 3136
Delta R.T. -0.006 min
Lab File: BP025149.D
Acq: 15 Jul 2025 17:21

Tgt Ion:228 Resp: 1034163
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 22.6 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.477 min Scan# 3

Delta R.T. -0.018 min

Lab File: BP025149.D

Acq: 15 Jul 2025 17:21

Instrument :

BNA_P

ClientSampleId :

NB-7-071125

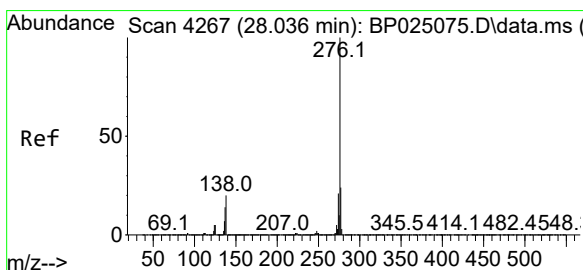
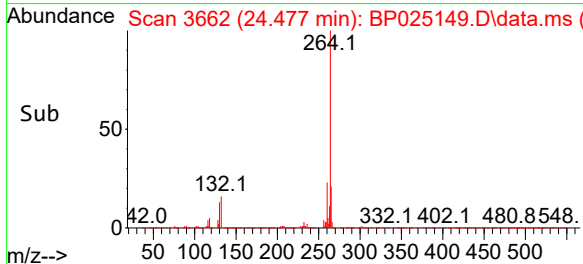
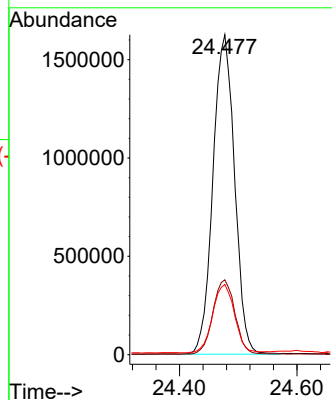
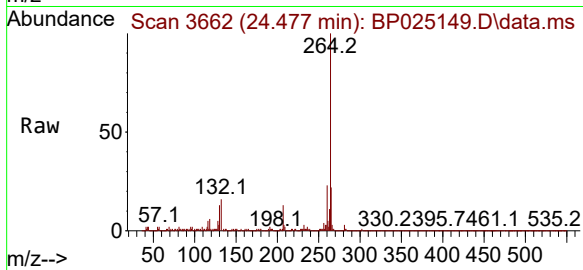
Tgt Ion:264 Resp: 4143842

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.9 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.256 ng

RT: 27.995 min Scan# 4260

Delta R.T. -0.041 min

Lab File: BP025149.D

Acq: 15 Jul 2025 17:21

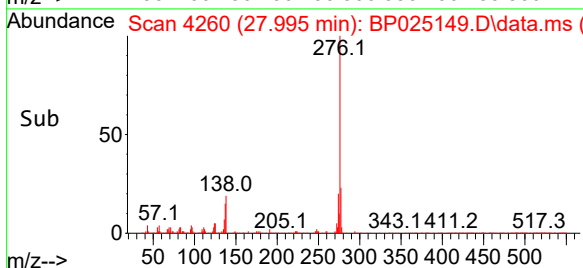
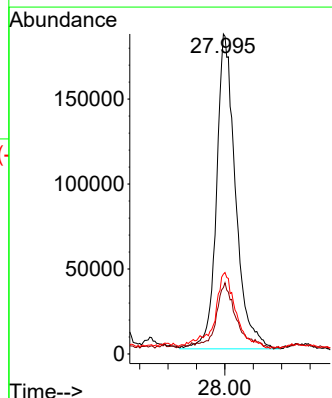
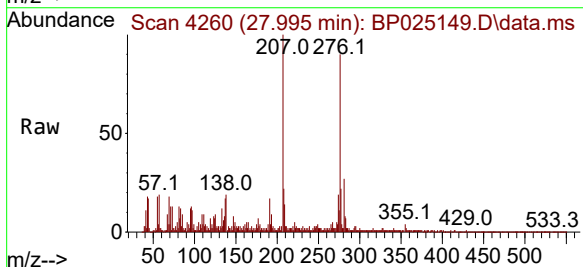
Tgt Ion:276 Resp: 859584

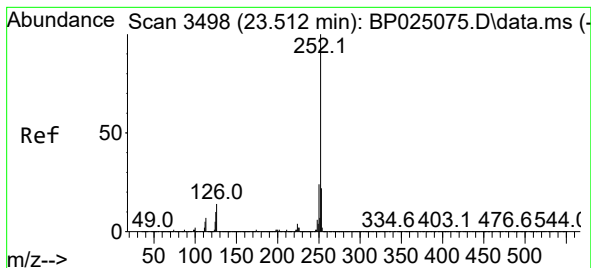
Ion Ratio Lower Upper

276 100

138 22.9 13.0 19.6#

277 24.6 15.9 23.9#





#88

Benzo(b)fluoranthene

Concen: 6.473 ng

RT: 23.501 min Scan# 34

Delta R.T. -0.012 min

Lab File: BP025149.D

Acq: 15 Jul 2025 17:21

Instrument :

BNA_P

ClientSampleId :

NB-7-071125

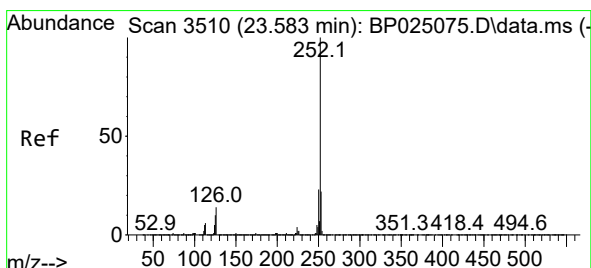
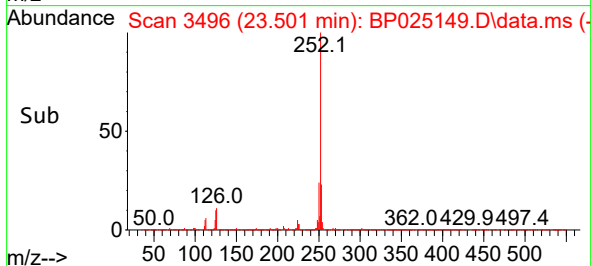
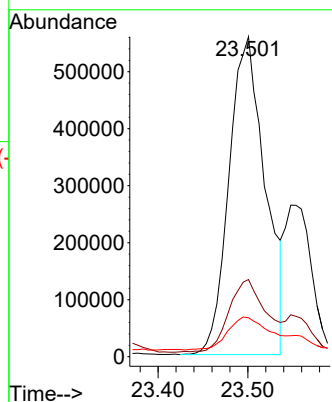
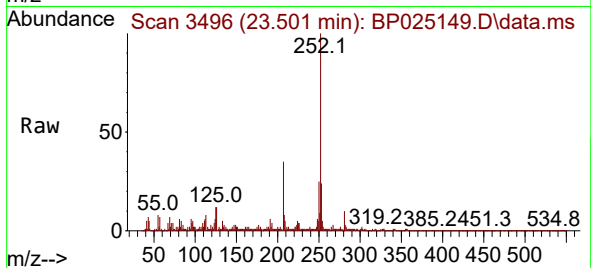
Tgt Ion:252 Resp: 1561212

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 12.2 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 2.304 ng m

RT: 23.548 min Scan# 3504

Delta R.T. -0.035 min

Lab File: BP025149.D

Acq: 15 Jul 2025 17:21

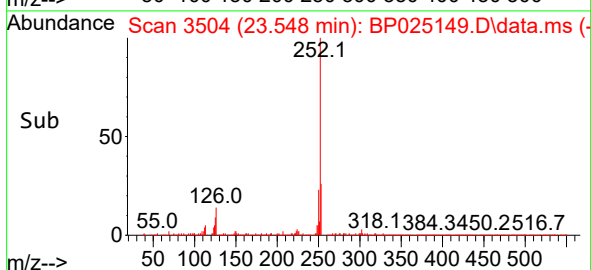
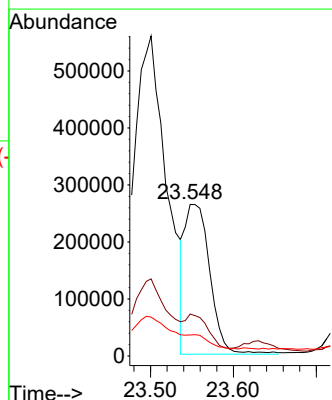
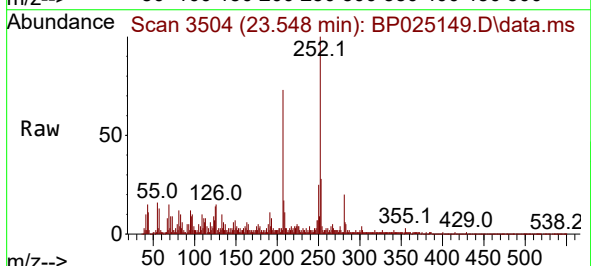
Tgt Ion:252 Resp: 552944

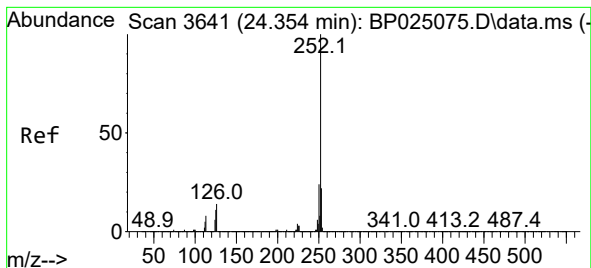
Ion Ratio Lower Upper

252 100

253 27.7 17.7 26.5#

125 13.8 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 4.960 ng

RT: 24.330 min Scan# 3

Delta R.T. -0.024 min

Lab File: BP025149.D

Acq: 15 Jul 2025 17:21

Instrument :

BNA_P

ClientSampleId :

NB-7-071125

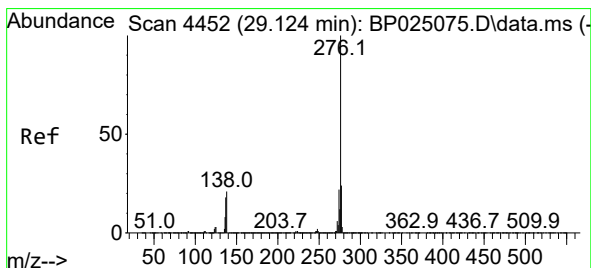
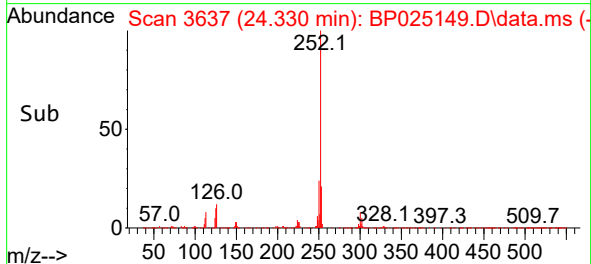
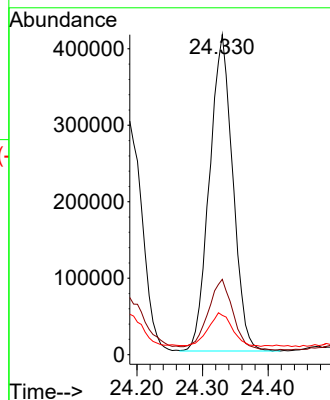
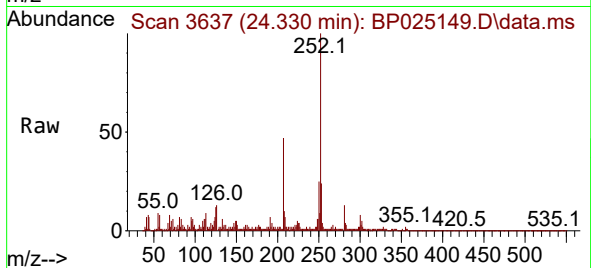
Tgt Ion:252 Resp: 1018170

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

125 12.3 9.0 13.4



#92

Benzo(g,h,i)perylene

Concen: 3.862 ng

RT: 29.095 min Scan# 4447

Delta R.T. -0.029 min

Lab File: BP025149.D

Acq: 15 Jul 2025 17:21

Tgt Ion:276 Resp: 870540

Ion Ratio Lower Upper

276 100

277 25.2 19.3 28.9

138 21.3 16.9 25.3

