

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100325\
 Data File : BP025920.D
 Acq On : 03 Oct 2025 19:05
 Operator : CG/JU
 Sample : Q3272-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 R7

Quant Time: Oct 04 02:18:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

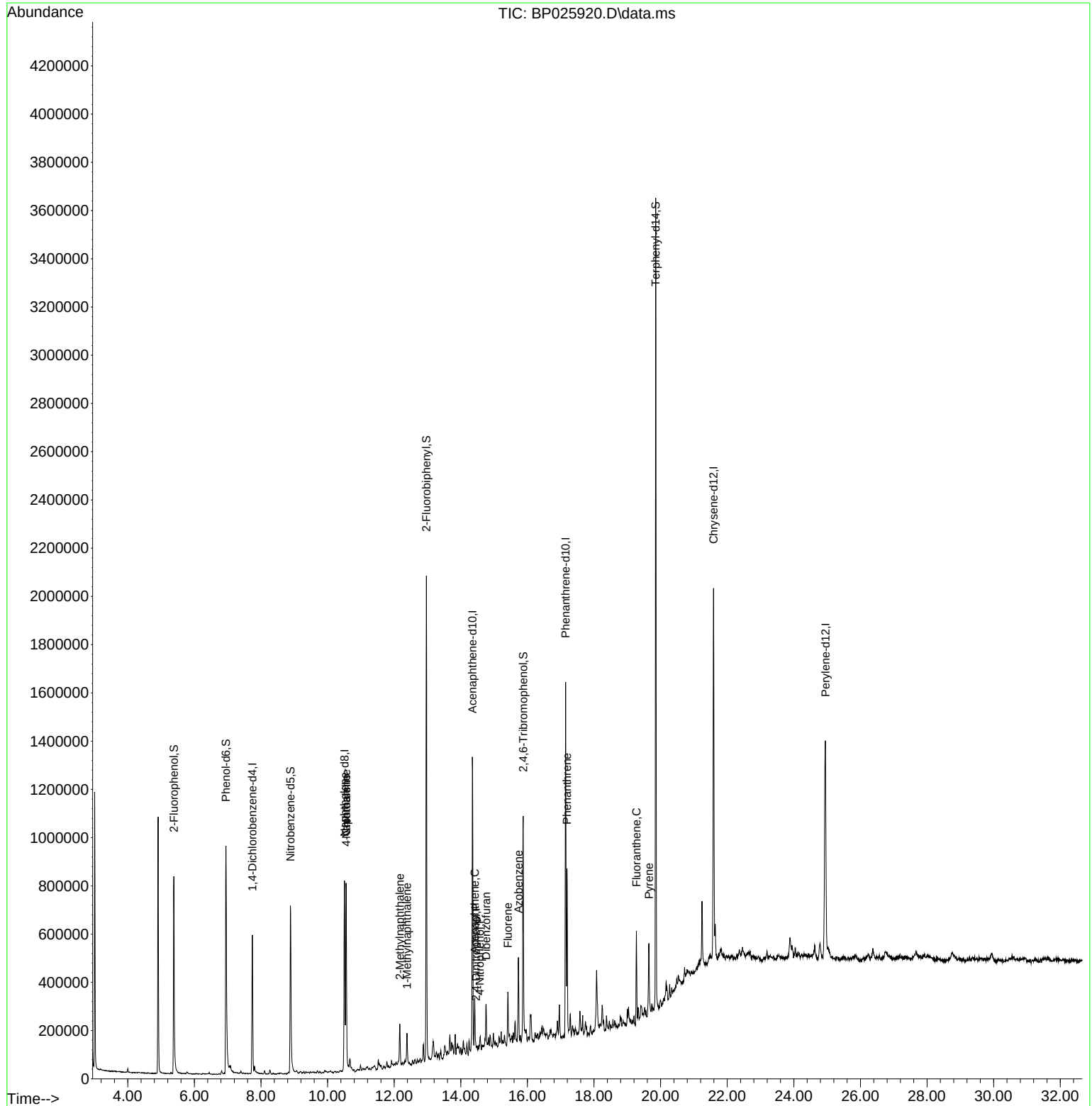
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	174025	20.000	ng	-0.02
21) Naphthalene-d8	10.507	136	695100	20.000	ng	-0.02
39) Acenaphthene-d10	14.348	164	455921	20.000	ng	-0.03
64) Phenanthrene-d10	17.148	188	903359	20.000	ng	-0.04
76) Chrysene-d12	21.589	240	940975	20.000	ng	-0.05
86) Perylene-d12	24.948	264	1035277	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	412151	38.214	ng	0.00
7) Phenol-d6	6.949	99	703498	49.074	ng	0.00
23) Nitrobenzene-d5	8.884	82	516374	32.769	ng	-0.02
42) 2,4,6-Tribromophenol	15.872	330	201721	35.472	ng	-0.04
45) 2-Fluorobiphenyl	12.966	172	1086112	31.720	ng	-0.02
79) Terphenyl-d14	19.854	244	1724925	32.978	ng	-0.06
Target Compounds						
						Qvalue
31) Naphthalene	10.554	128	690123	18.413	ng	100
33) 4-Chloroaniline	10.560	127	88571	5.670	ng	# 33
37) 2-Methylnaphthalene	12.166	142	105346	4.376	ng	99
38) 1-Methylnaphthalene	12.384	142	62579	2.438	ng	98
52) Acenaphthene	14.419	154	78032	3.099	ng	98
54) 2,4-Dinitrophenol	14.454	184	24	4.829	ng	# 1
55) Dibenzofuran	14.760	168	110495	2.693	ng	99
56) 4-Nitrophenol	14.572	139	2228	4.797	ng	# 62
58) Fluorene	15.413	166	98484	3.018	ng	98
63) Azobenzene	15.731	77	112760	3.303	ng	# 1
71) Phenanthrene	17.189	178	424355	8.281	ng	98
75) Fluoranthene	19.272	202	240740	3.917	ng	99
78) Pyrene	19.648	202	214301	3.413	ng	99

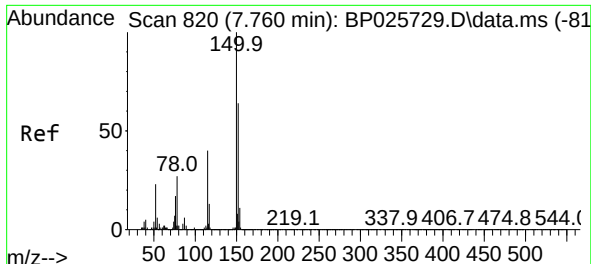
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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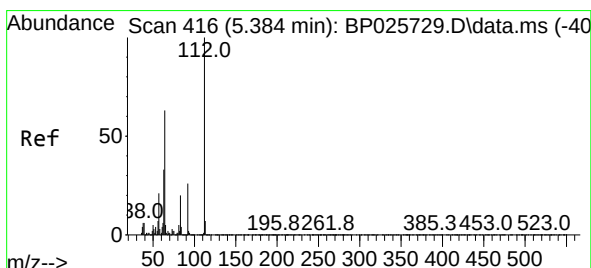
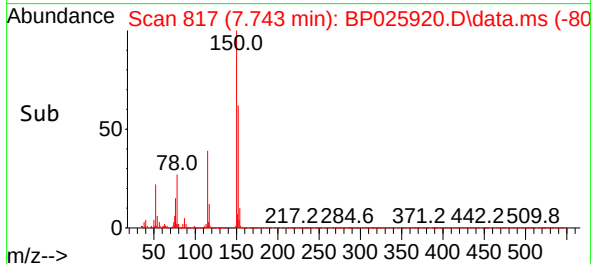
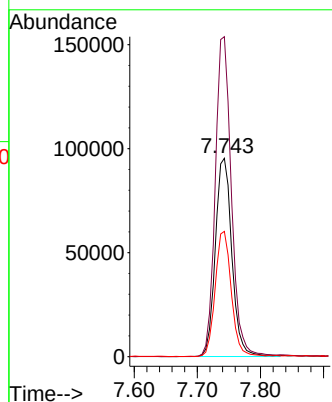
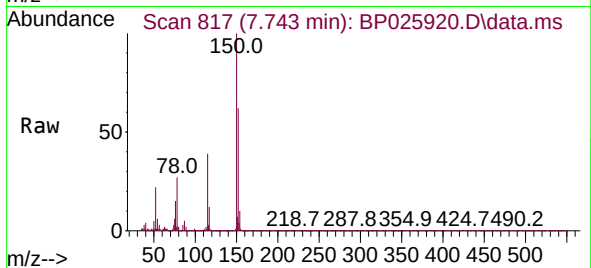




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.743 min Scan# 81
 Delta R.T. -0.017 min
 Lab File: BP025920.D
 Acq: 03 Oct 2025 19:05

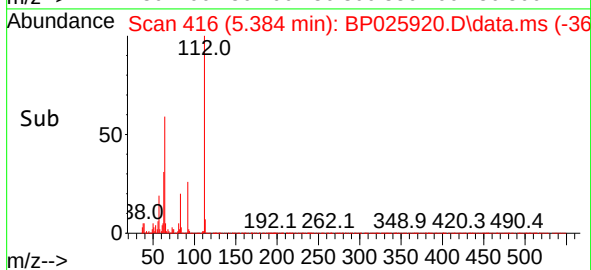
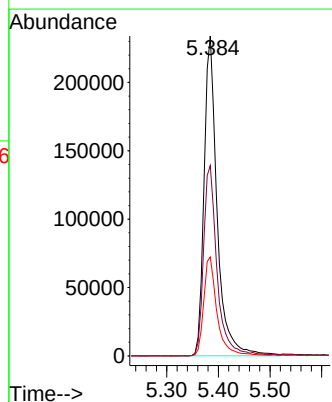
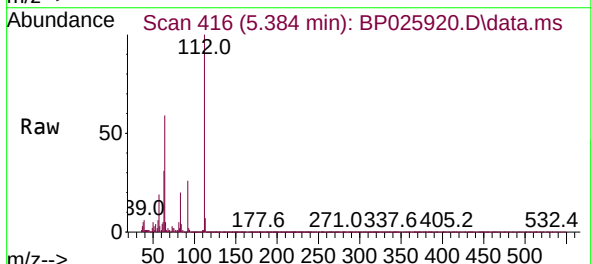
Instrument :
 BNA_P
 ClientSampleId :
 R7

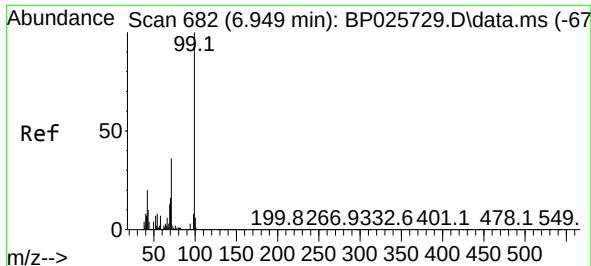
Tgt Ion:152 Resp: 174025
 Ion Ratio Lower Upper
 152 100
 150 161.3 124.3 186.5
 115 63.1 50.3 75.5



#5
 2-Fluorophenol
 Concen: 38.214 ng
 RT: 5.384 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: BP025920.D
 Acq: 03 Oct 2025 19:05

Tgt Ion:112 Resp: 412151
 Ion Ratio Lower Upper
 112 100
 64 59.5 50.2 75.4
 63 30.9 26.7 40.1

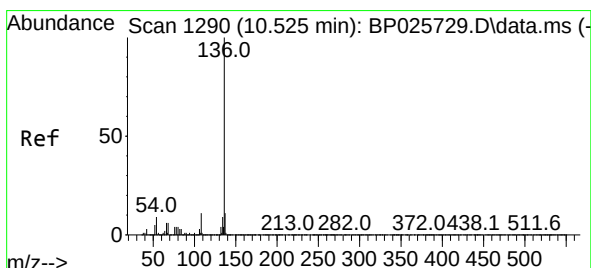
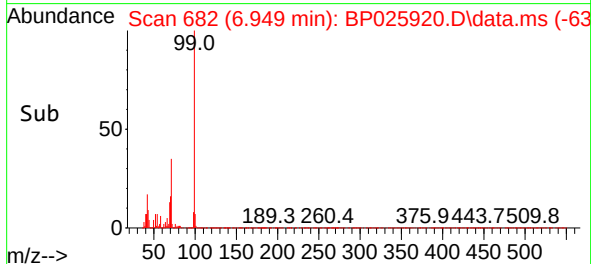
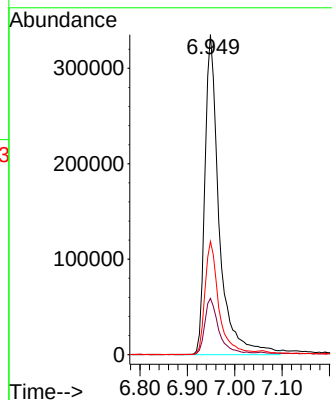
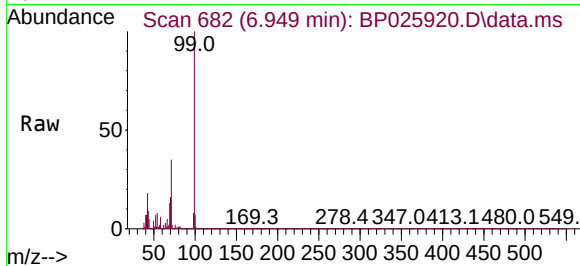




#7
Phenol-d6
Concen: 49.074 ng
RT: 6.949 min Scan# 682
Delta R.T. 0.000 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

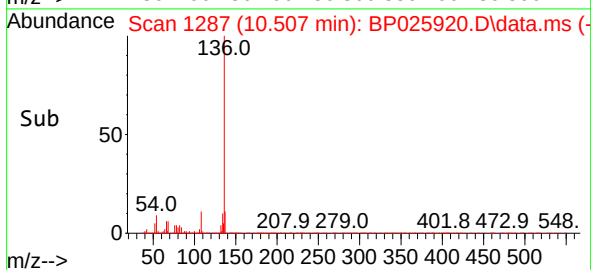
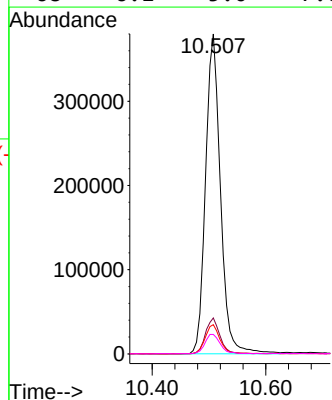
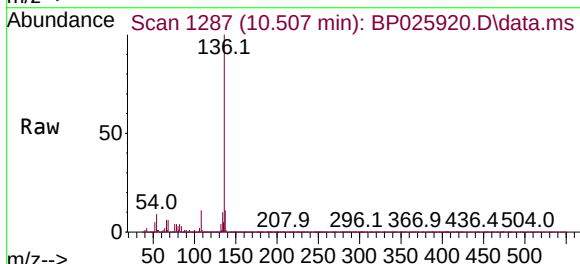
Instrument :
BNA_P
ClientSampleId :
R7

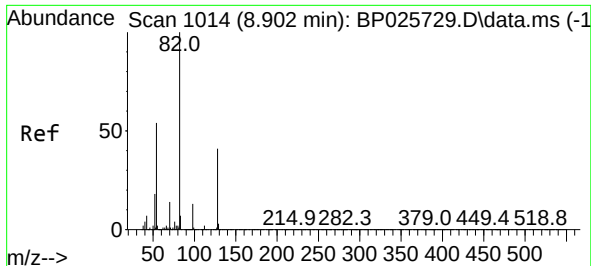
Tgt Ion:	99	Resp:	703498
Ion	Ratio	Lower	Upper
99	100		
42	17.6	15.6	23.4
71	35.4	28.6	43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.507 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion:	136	Resp:	695100
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.1	7.5	11.3
68	6.1	5.0	7.6

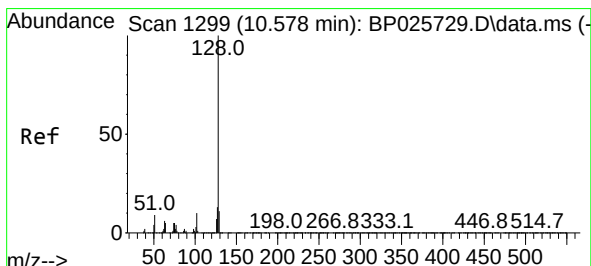
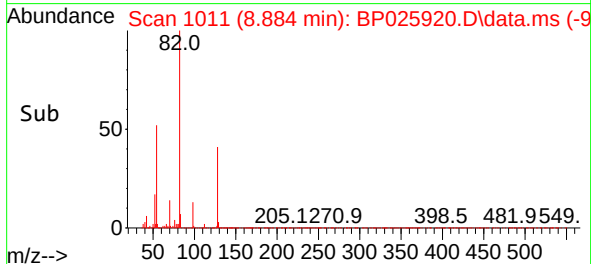
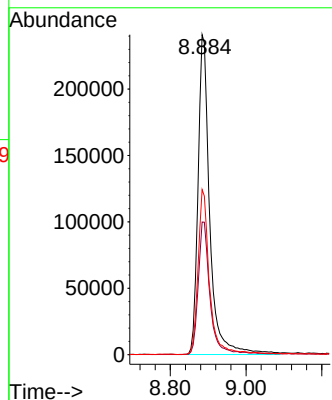
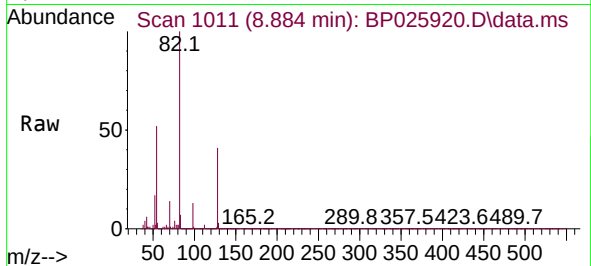




#23
Nitrobenzene-d5
Concen: 32.769 ng
RT: 8.884 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

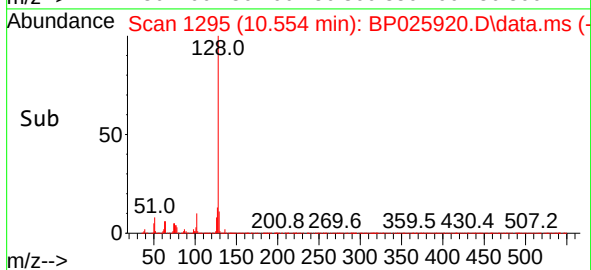
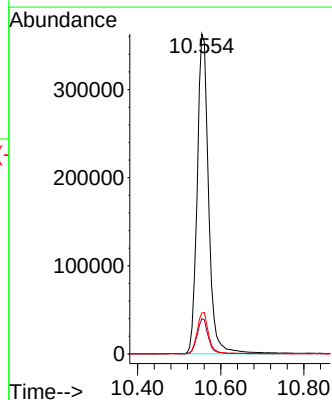
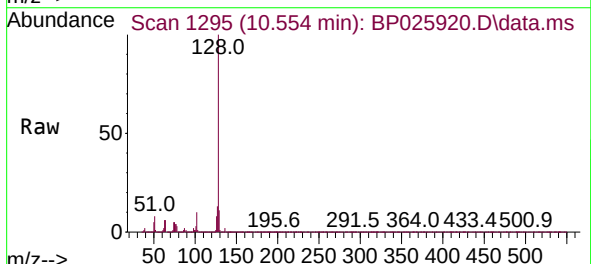
Instrument :
BNA_P
ClientSampleId :
R7

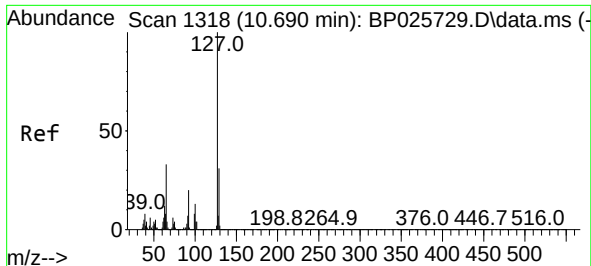
Tgt Ion: 82 Resp: 516374
Ion Ratio Lower Upper
82 100
128 41.4 32.9 49.3
54 51.6 43.4 65.2



#31
Naphthalene
Concen: 18.413 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.024 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion: 128 Resp: 690123
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 12.8 10.2 15.4

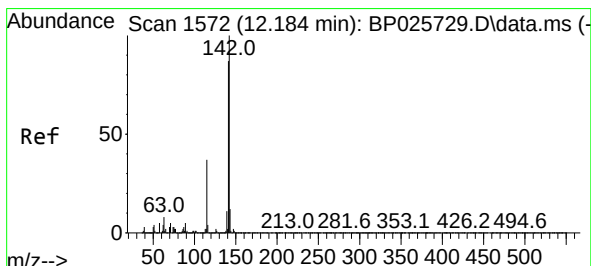
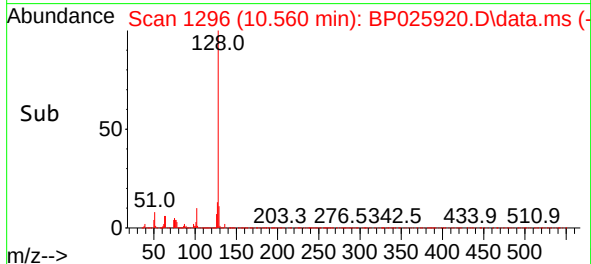
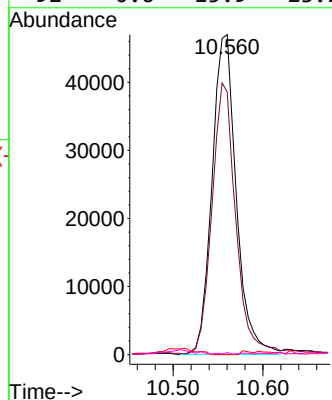
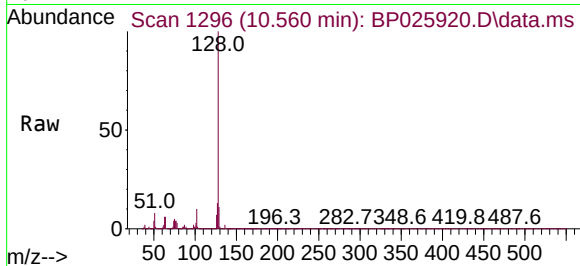




#33
4-Chloroaniline
Concen: 5.670 ng
RT: 10.560 min Scan# 11
Delta R.T. -0.129 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

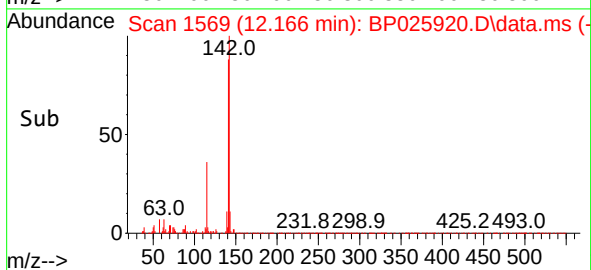
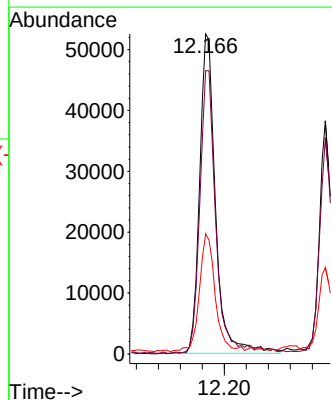
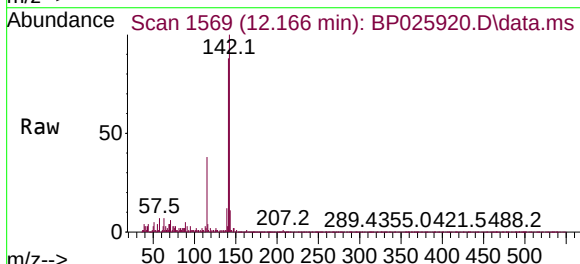
Instrument :
BNA_P
ClientSampleId :
R7

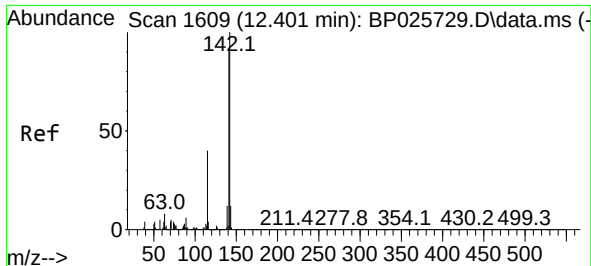
Tgt Ion:	127	Resp:	88571
Ion	Ratio	Lower	Upper
127	100		
129	82.1	25.1	37.7#
65	0.0	26.4	39.6#
92	0.6	15.9	23.9#



#37
2-Methylnaphthalene
Concen: 4.376 ng
RT: 12.166 min Scan# 1569
Delta R.T. -0.018 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion:	142	Resp:	105346
Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.6	104.4
115	37.5	30.0	45.0

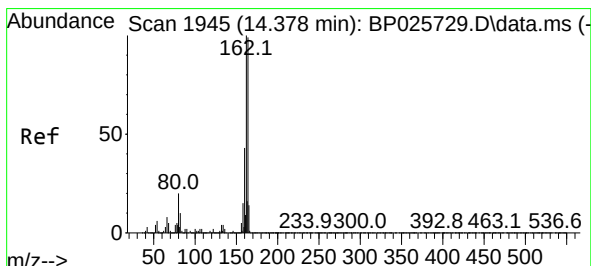
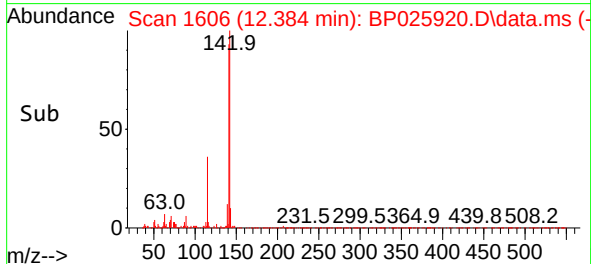
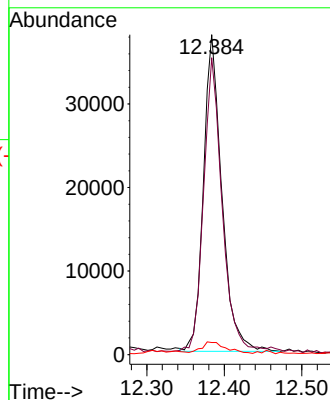
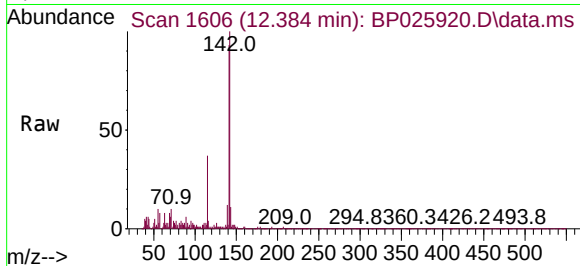




#38
1-Methylnaphthalene
Concen: 2.438 ng
RT: 12.384 min Scan# 1606
Delta R.T. -0.018 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

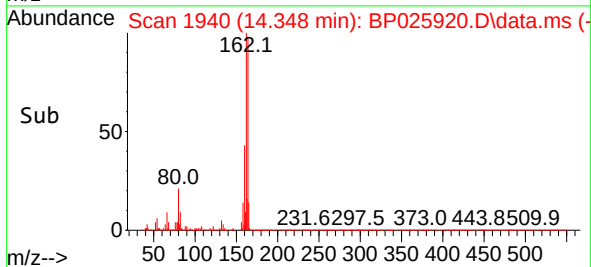
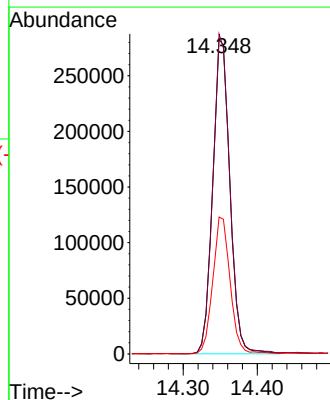
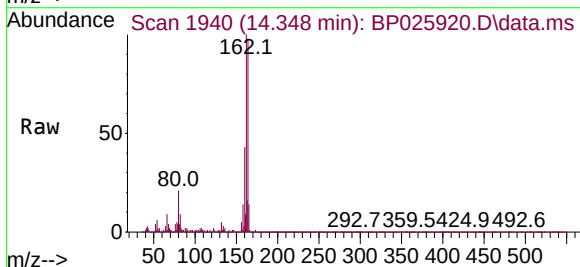
Instrument :
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ClientSampleId :
R7

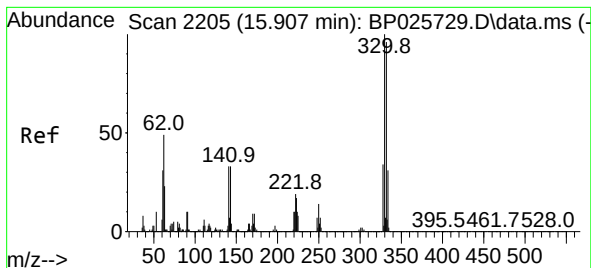
Tgt Ion:142 Resp: 62579
Ion Ratio Lower Upper
142 100
141 92.8 72.7 109.1
116 3.8 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.348 min Scan# 1940
Delta R.T. -0.029 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion:164 Resp: 455921
Ion Ratio Lower Upper
164 100
162 101.7 80.6 120.8
160 43.5 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 35.472 ng

RT: 15.872 min Scan# 21

Delta R.T. -0.035 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

Instrument :

BNA_P

ClientSampleId :

R7

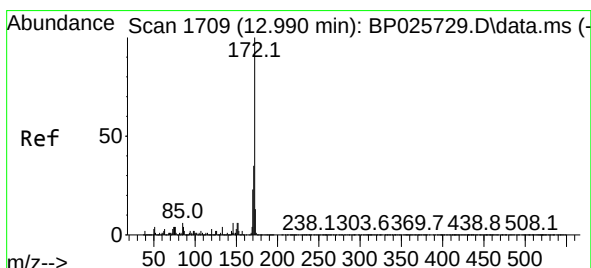
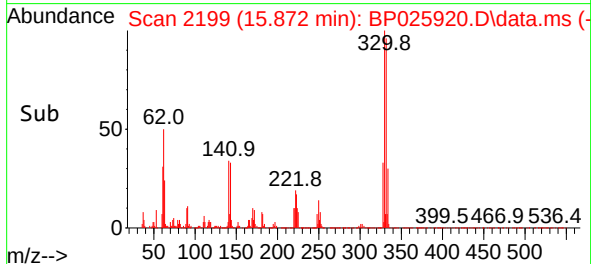
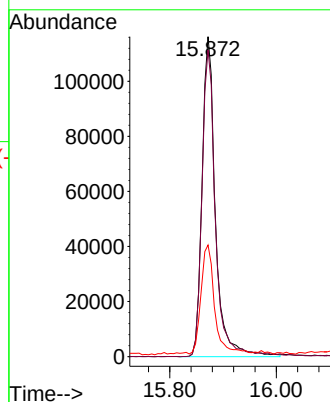
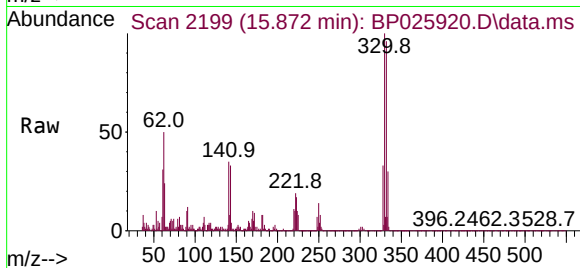
Tgt Ion:330 Resp: 201721

Ion Ratio Lower Upper

330 100

332 97.0 76.9 115.3

141 34.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 31.720 ng

RT: 12.966 min Scan# 1705

Delta R.T. -0.024 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

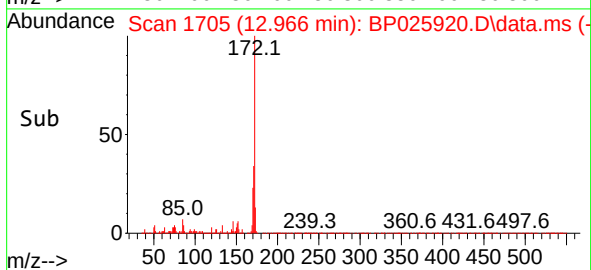
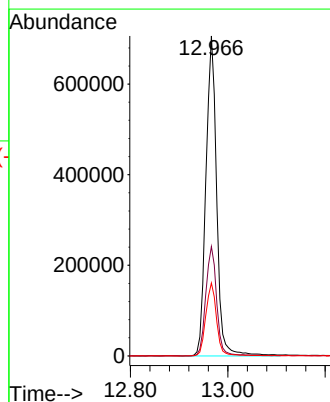
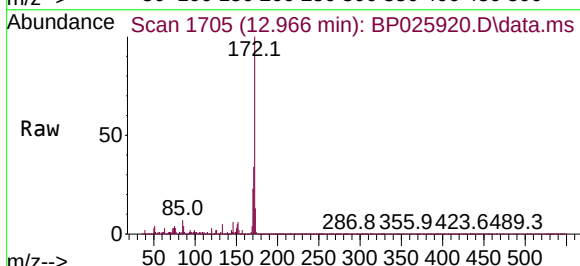
Tgt Ion:172 Resp: 1086112

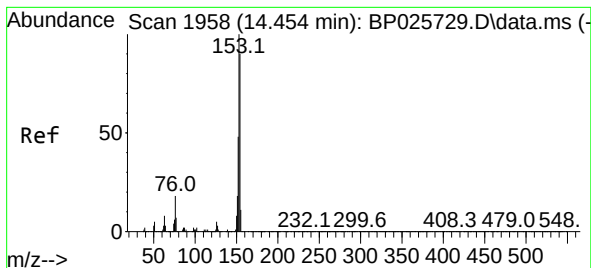
Ion Ratio Lower Upper

172 100

171 34.2 27.8 41.6

170 22.8 18.6 27.8





#52

Acenaphthene

Concen: 3.099 ng

RT: 14.419 min Scan# 19

Delta R.T. -0.035 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

Instrument :

BNA_P

ClientSampleId :

R7

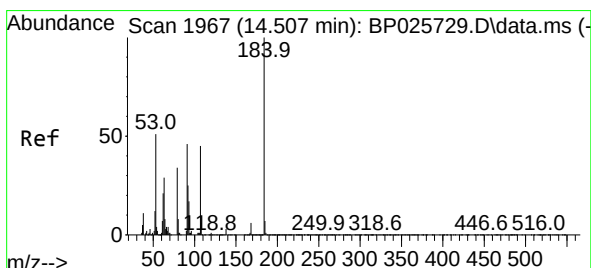
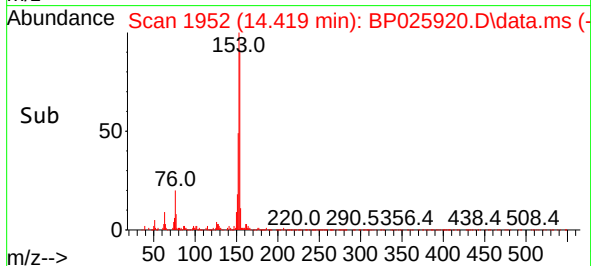
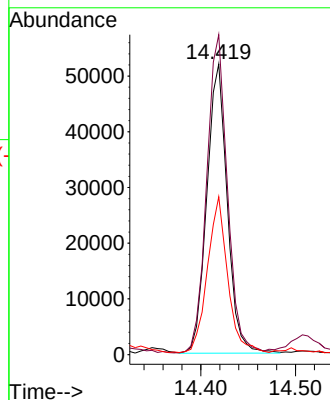
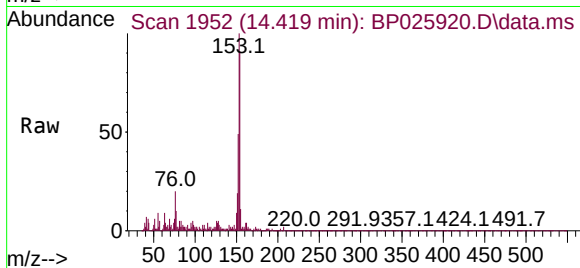
Tgt Ion:154 Resp: 78032

Ion Ratio Lower Upper

154 100

153 110.1 89.4 134.0

152 54.3 42.5 63.7



#54

2,4-Dinitrophenol

Concen: 4.829 ng

RT: 14.454 min Scan# 1958

Delta R.T. -0.053 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

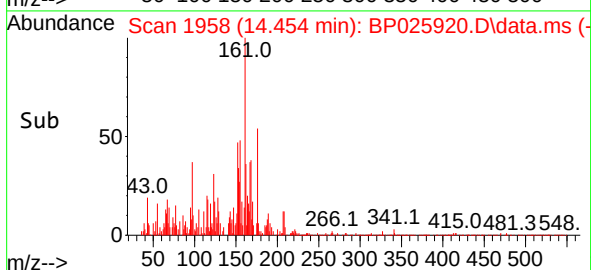
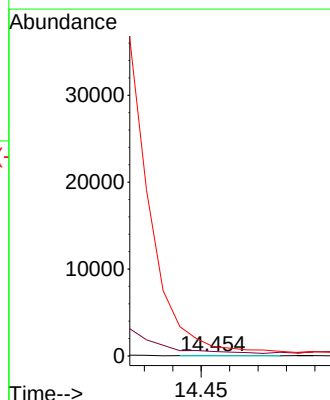
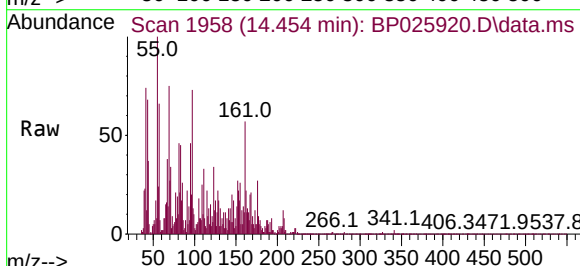
Tgt Ion:184 Resp: 24

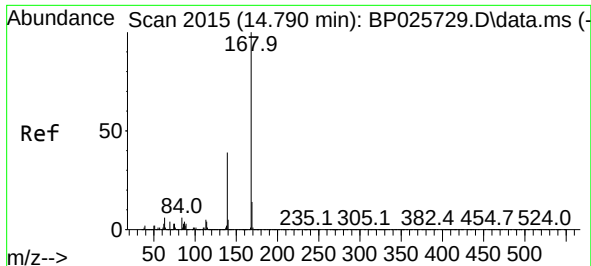
Ion Ratio Lower Upper

184 100

63 1431.4 52.5 78.7#

154 3022.9 51.5 77.3#

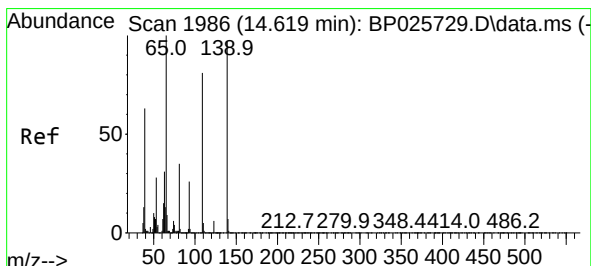
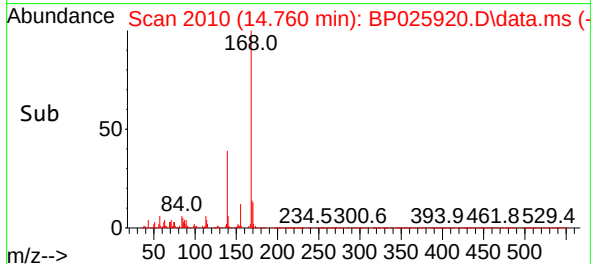
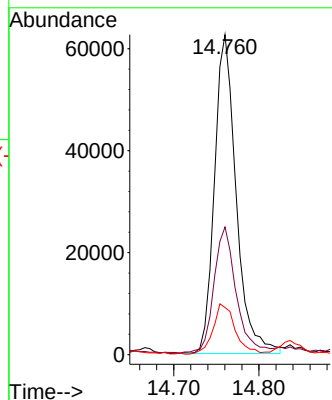
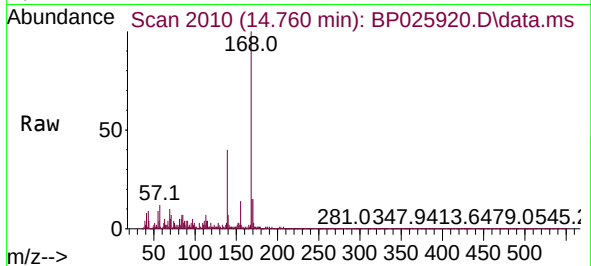




#55
Dibenzofuran
Concen: 2.693 ng
RT: 14.760 min Scan# 2015
Delta R.T. -0.029 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

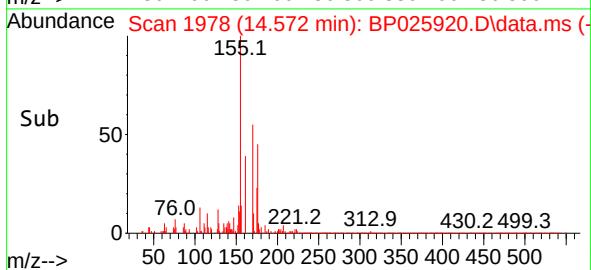
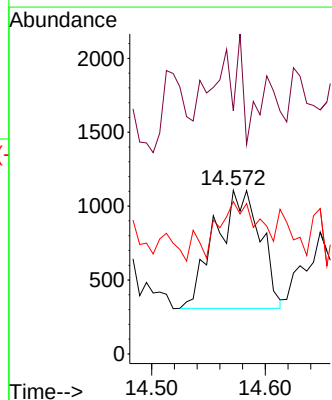
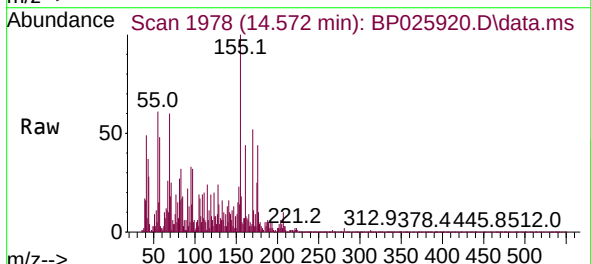
Instrument :
BNA_P
ClientSampleId :
R7

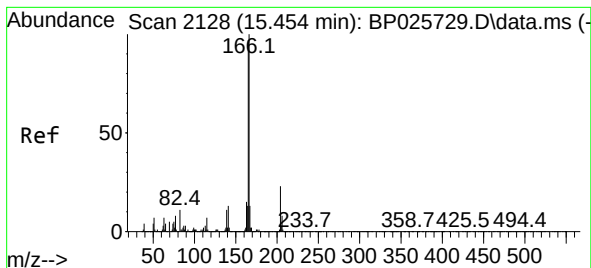
Tgt Ion:168 Resp: 110495
Ion Ratio Lower Upper
168 100
139 39.9 31.7 47.5
169 14.7 10.8 16.2



#56
4-Nitrophenol
Concen: 4.797 ng
RT: 14.572 min Scan# 1978
Delta R.T. -0.047 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion:139 Resp: 2228
Ion Ratio Lower Upper
139 100
109 148.6 62.9 102.9#
65 93.0 83.4 123.4





#58

Fluorene

Concen: 3.018 ng

RT: 15.413 min Scan# 21

Delta R.T. -0.041 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

Instrument :

BNA_P

ClientSampleId :

R7

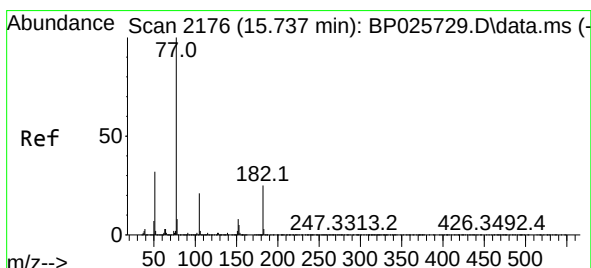
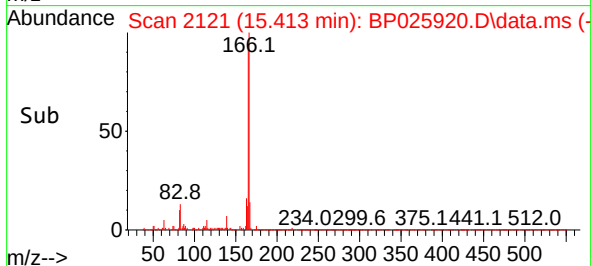
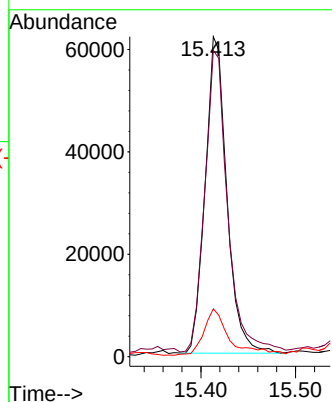
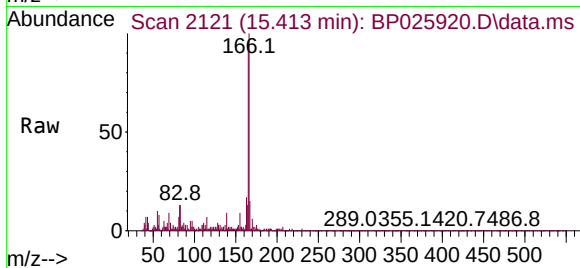
Tgt Ion:166 Resp: 98484

Ion Ratio Lower Upper

166 100

165 95.7 77.7 116.5

167 14.9 10.6 16.0



#63

Azobenzene

Concen: 3.303 ng

RT: 15.731 min Scan# 2175

Delta R.T. -0.006 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

Tgt Ion: 77 Resp: 112760

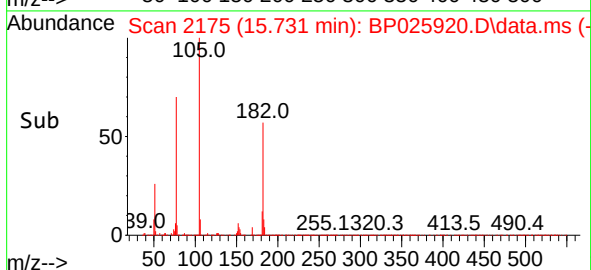
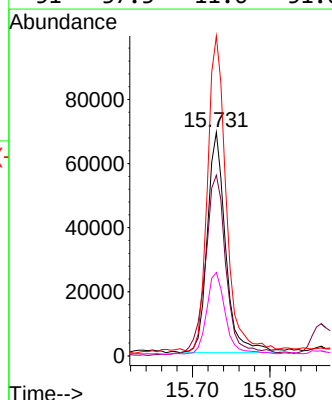
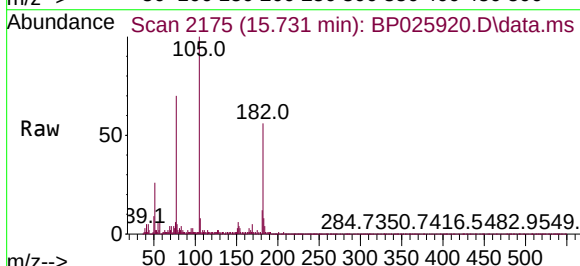
Ion Ratio Lower Upper

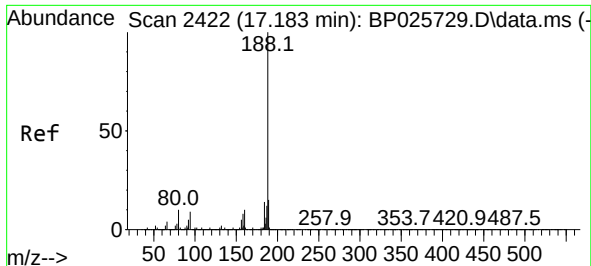
77 100

182 80.9 5.2 45.2#

105 143.1 1.1 41.1#

51 37.3 11.6 51.6

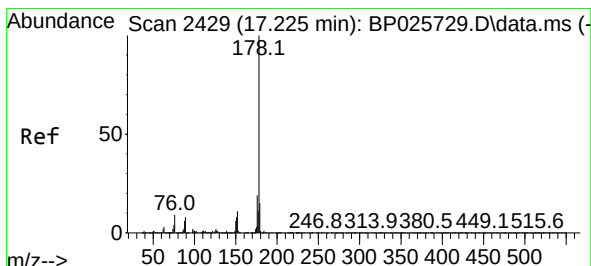
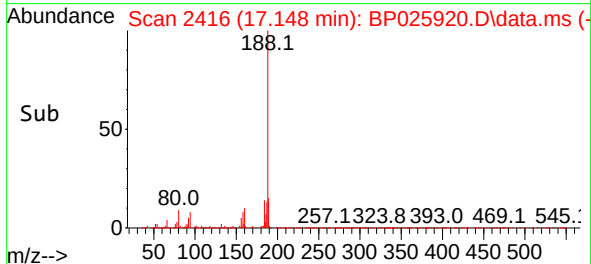
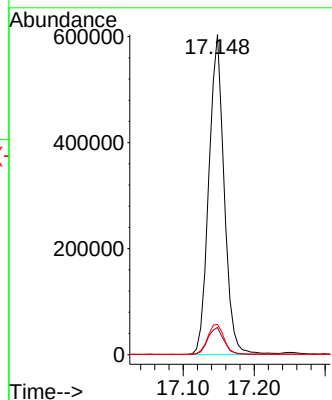
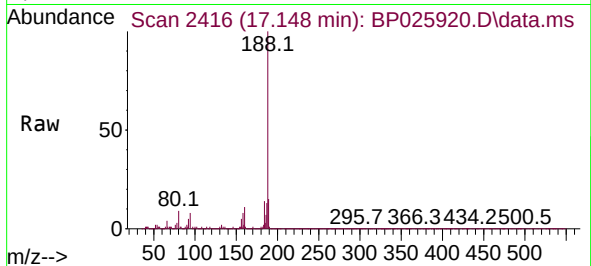




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.148 min Scan# 24
Delta R.T. -0.035 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

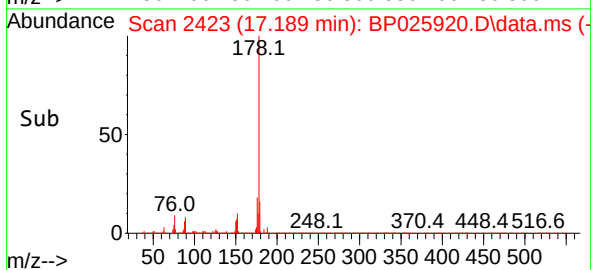
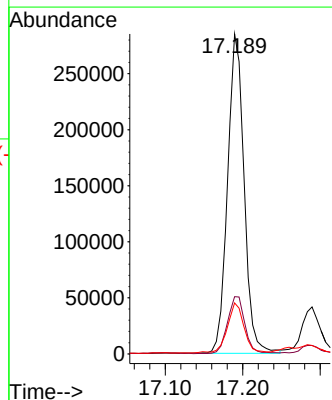
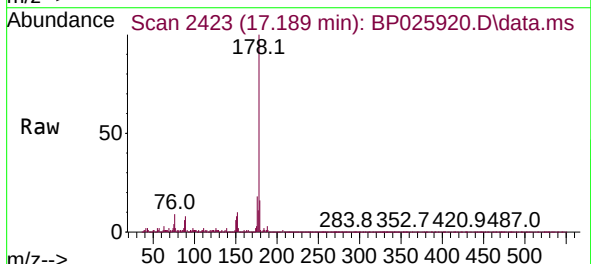
Instrument :
BNA_P
ClientSampleId :
R7

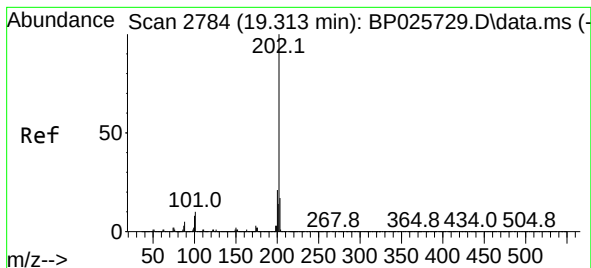
Tgt Ion:188 Resp: 903359
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.0
80 9.4 7.7 11.5



#71
Phenanthrene
Concen: 8.281 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.035 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion:178 Resp: 424355
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 15.9 12.2 18.4

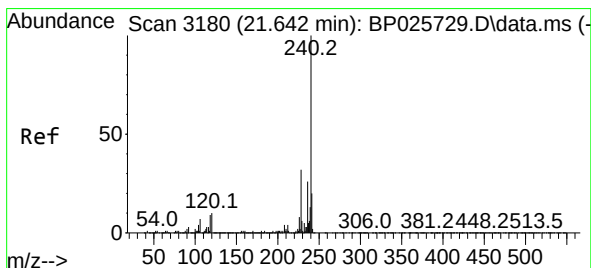
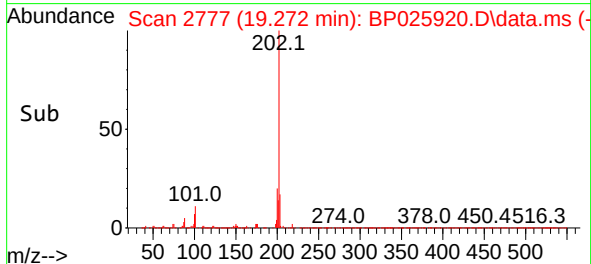
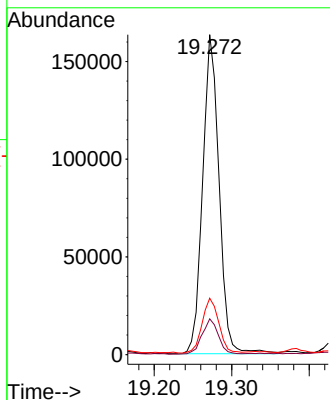
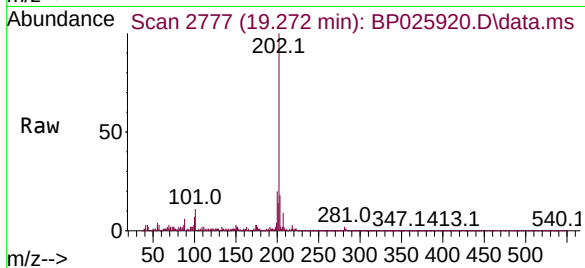




#75
Fluoranthene
Concen: 3.917 ng
RT: 19.272 min Scan# 21
Delta R.T. -0.041 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

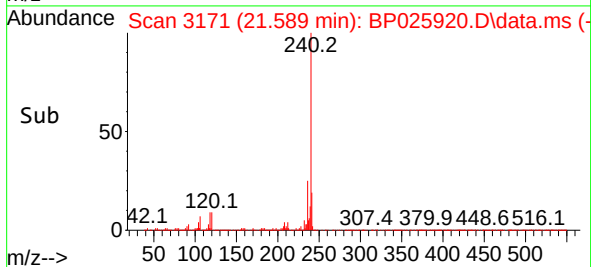
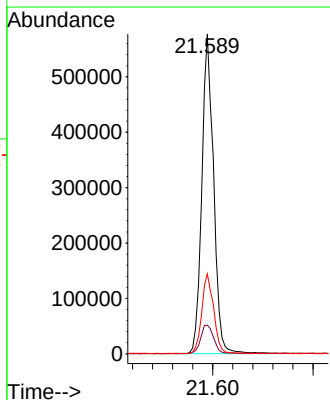
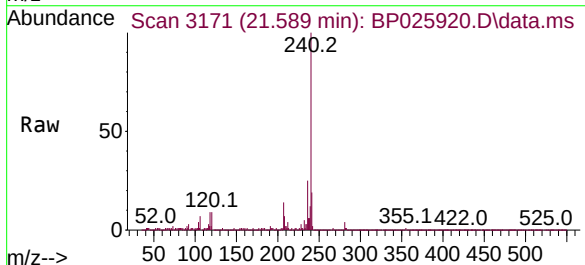
Instrument :
BNA_P
ClientSampleId :
R7

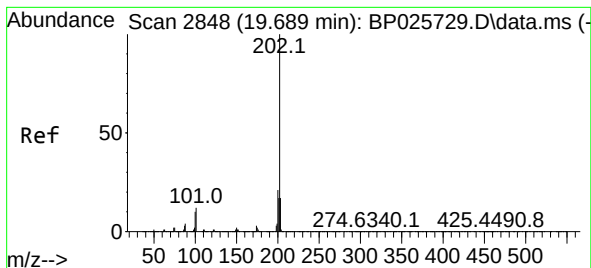
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	30.4
203	17.6	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. -0.053 min
Lab File: BP025920.D
Acq: 03 Oct 2025 19:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.0	12.0
236	25.0	20.7	31.1





#78

Pyrene

Concen: 3.413 ng

RT: 19.648 min Scan# 2841

Delta R.T. -0.041 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

Instrument :

BNA_P

ClientSampleId :

R7

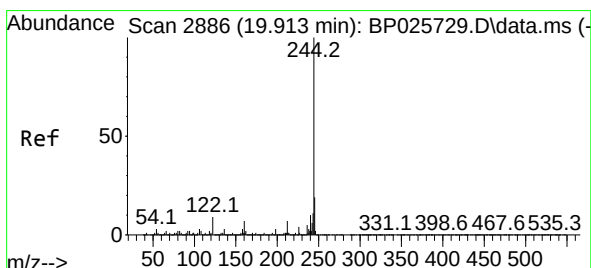
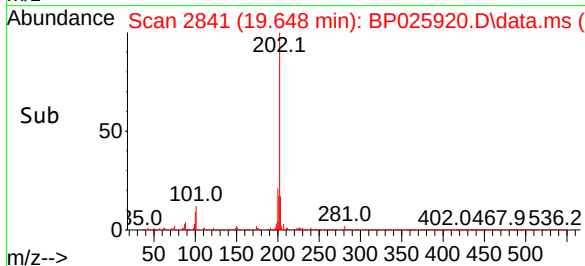
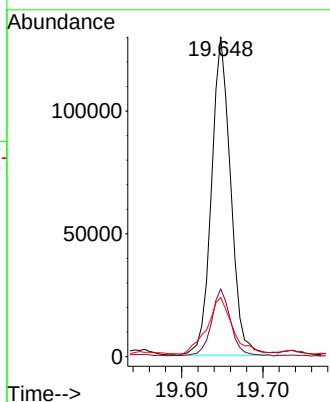
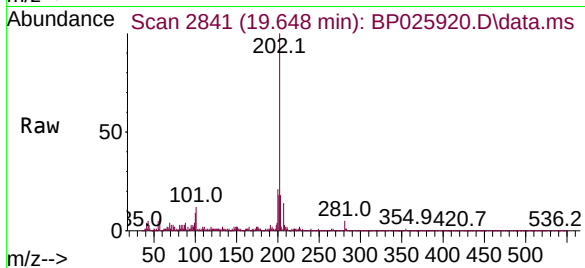
Tgt Ion:202 Resp: 214301

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 18.5 13.9 20.9



#79

Terphenyl-d14

Concen: 32.978 ng

RT: 19.854 min Scan# 2876

Delta R.T. -0.059 min

Lab File: BP025920.D

Acq: 03 Oct 2025 19:05

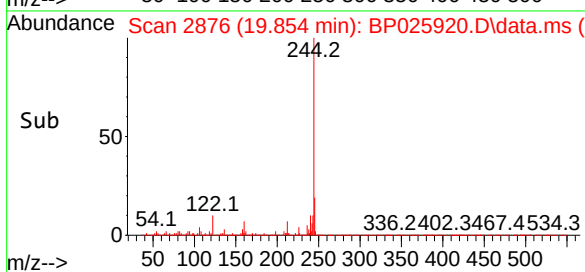
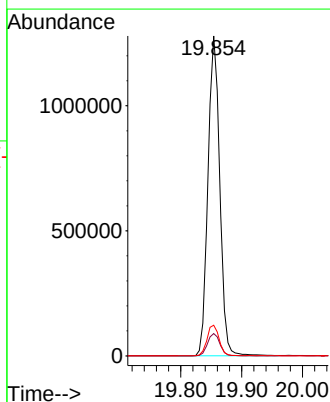
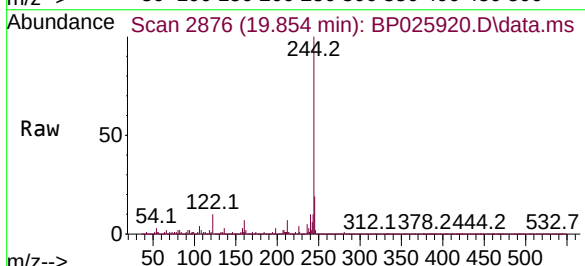
Tgt Ion:244 Resp: 1724925

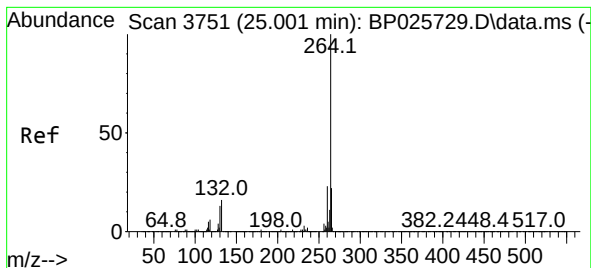
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 9.6 7.1 10.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.948 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP025920.D

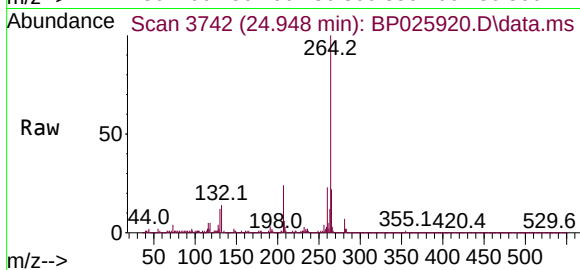
Acq: 03 Oct 2025 19:05

Instrument :

BNA_P

ClientSampleId :

R7



Tgt Ion:264 Resp: 1035277

Ion Ratio Lower Upper

264 100

260 22.8 18.3 27.5

265 21.7 17.3 25.9

