

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080825\
 Data File : BP025338.D
 Acq On : 08 Aug 2025 18:42
 Operator : CG/JU
 Sample : Q2800-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-222

Quant Time: Aug 11 01:49:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

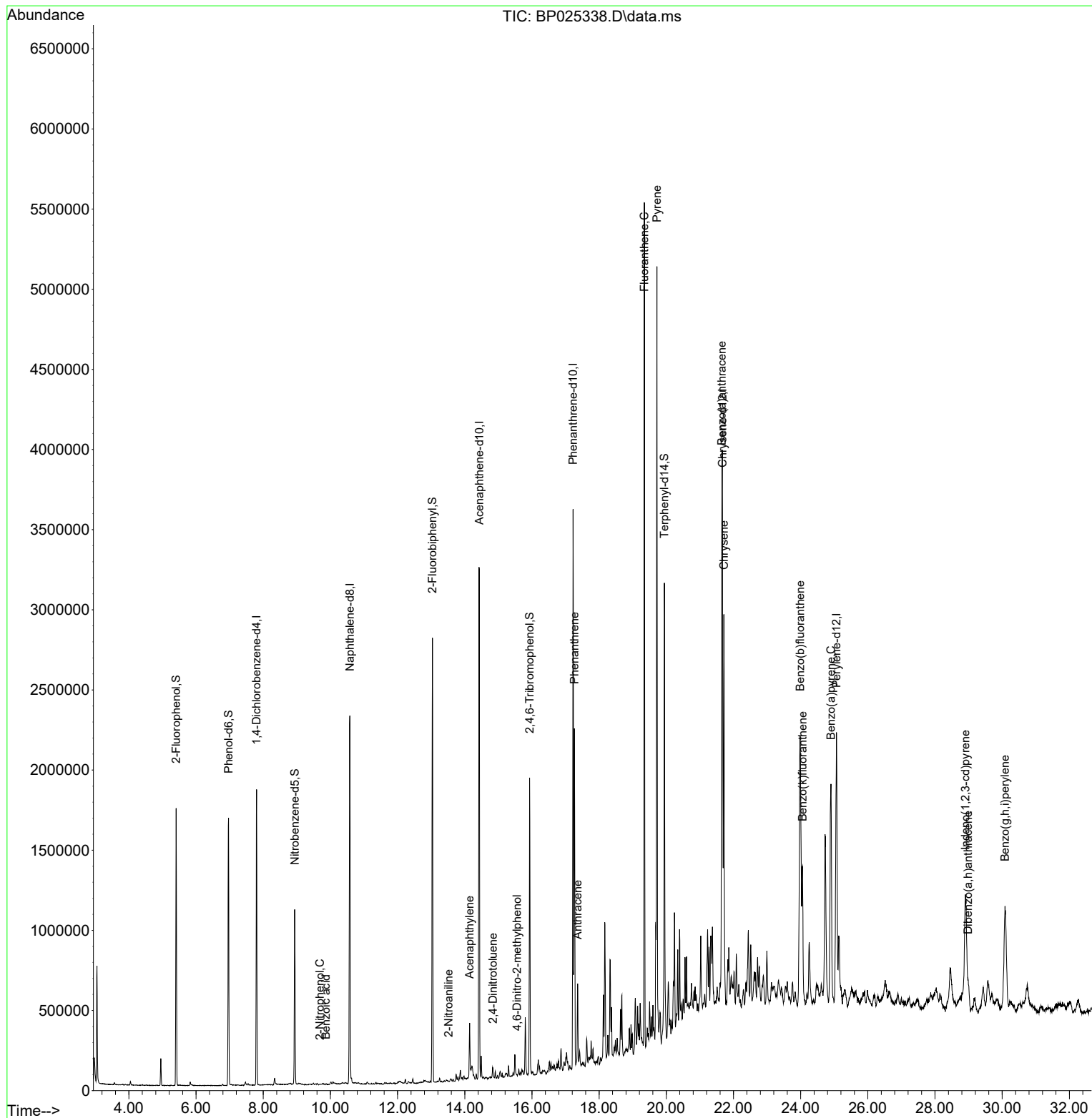
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	492187	20.000	ng	0.00
21) Naphthalene-d8	10.578	136	2050573	20.000	ng	0.00
39) Acenaphthene-d10	14.431	164	1207803	20.000	ng	0.01
64) Phenanthrene-d10	17.225	188	1945051	20.000	ng	0.00
76) Chrysene-d12	21.671	240	1427654	20.000	ng	0.01
86) Perylene-d12	25.065	264	1745398	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	750087	24.511	ng	0.00
7) Phenol-d6	6.966	99	981645	24.374	ng	0.00
23) Nitrobenzene-d5	8.937	82	630713	17.040	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	304607	25.280	ng	0.00
45) 2-Fluorobiphenyl	13.037	172	1539775	17.608	ng	0.00
79) Terphenyl-d14	19.942	244	1367225	18.088	ng	0.00
Target Compounds						Qvalue
26) 2-Nitrophenol	9.684	139	117	3.645	ng	# 1
32) Benzoic acid	9.860	122	297	5.970	ng	# 49
48) 2-Nitroaniline	13.519	65	223	2.974	ng	# 59
49) Acenaphthylene	14.142	152	251178	2.217	ng	98
57) 2,4-Dinitrotoluene	14.836	165	494	3.273	ng	# 18
65) 4,6-Dinitro-2-methylph...	15.554	198	125	4.852	ng	# 1
71) Phenanthrene	17.266	178	1364965	12.813	ng	100
72) Anthracene	17.360	178	323329	3.010	ng	99
75) Fluoranthene	19.348	202	3062828	24.835	ng	99
78) Pyrene	19.719	202	2820858	29.713	ng	100
81) Benzo(a)anthracene	21.654	228	1462659	15.417	ng	95
83) Chrysene	21.713	228	1530725	17.396	ng	98
87) Indeno(1,2,3-cd)pyrene	28.906	276	1261292	10.082	ng	# 90
88) Benzo(b)fluoranthene	23.983	252	2298276	21.997	ng	98
89) Benzo(k)fluoranthene	24.054	252	768205	7.417	ng	99
90) Benzo(a)pyrene	24.901	252	1670866	16.606	ng	98
91) Dibenzo(a,h)anthracene	28.983	278	300115	2.929	ng	94
92) Benzo(g,h,i)perylene	30.083	276	1223349	12.166	ng	98

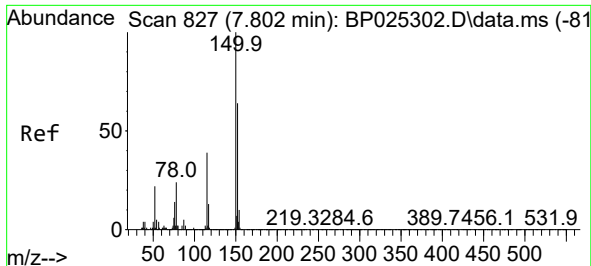
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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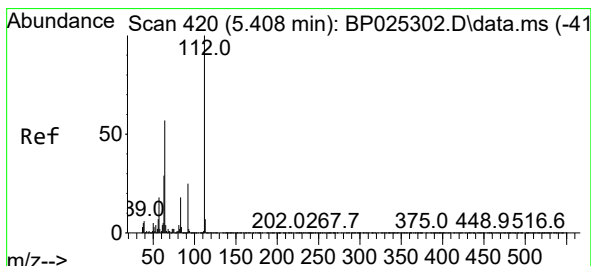
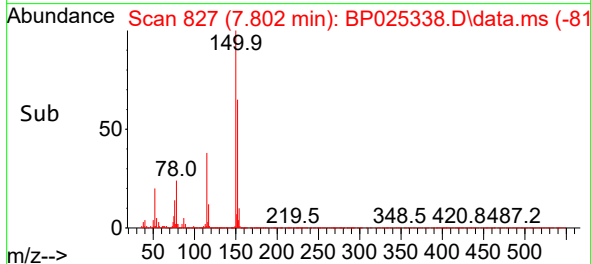
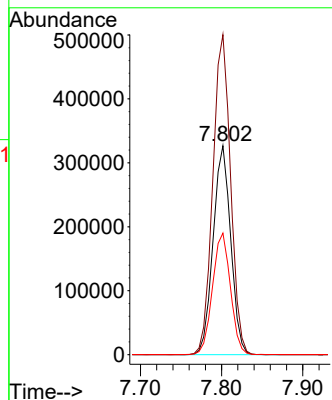
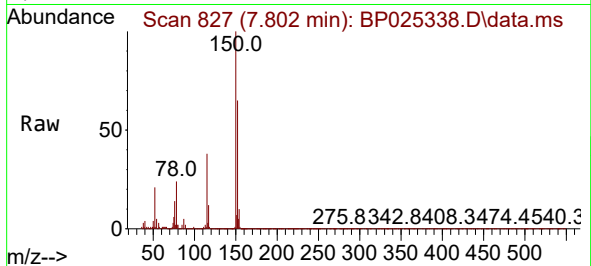




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

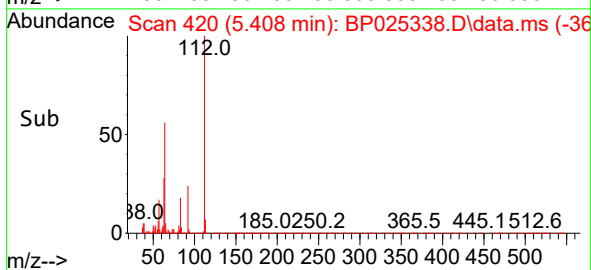
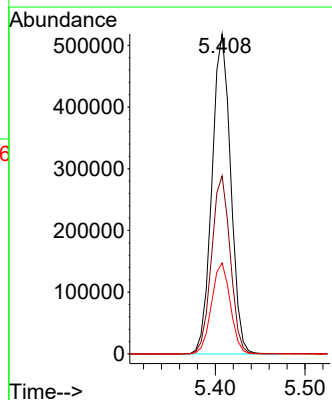
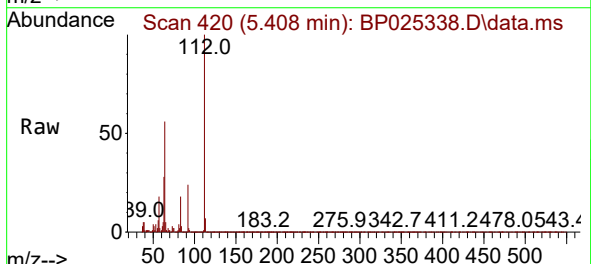
Instrument :
BNA_P
ClientSampleId :
VNJ-222

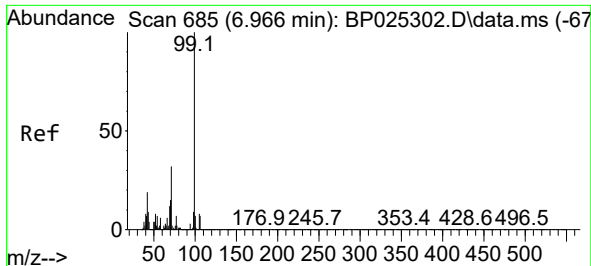
Tgt Ion:152 Resp: 492187
Ion Ratio Lower Upper
152 100
150 153.2 125.1 187.7
115 58.2 48.4 72.6



#5
2-Fluorophenol
Concen: 24.511 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

Tgt Ion:112 Resp: 750087
Ion Ratio Lower Upper
112 100
64 55.7 45.3 67.9
63 28.5 23.0 34.6

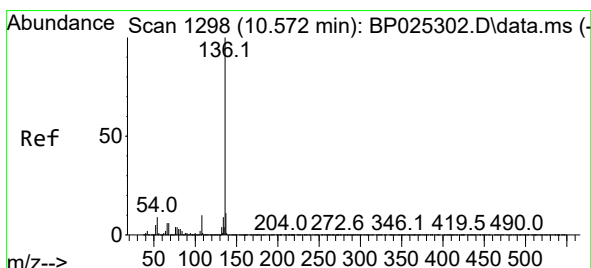
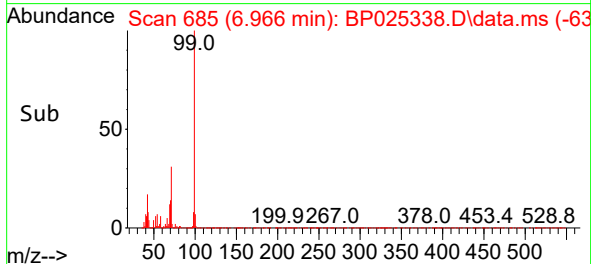
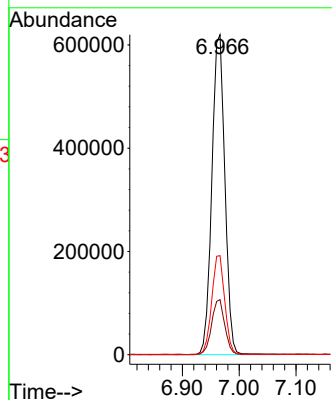
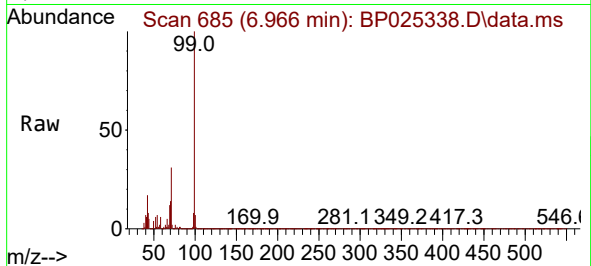




#7
Phenol-d6
Concen: 24.374 ng
RT: 6.966 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

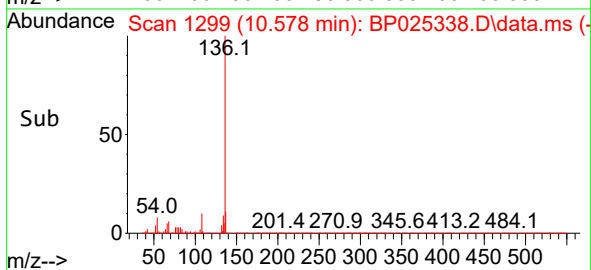
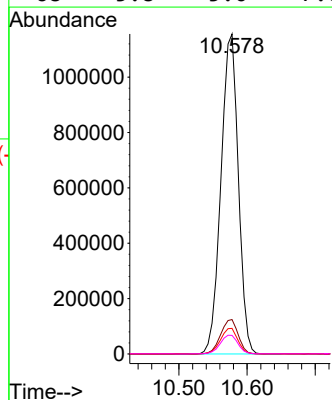
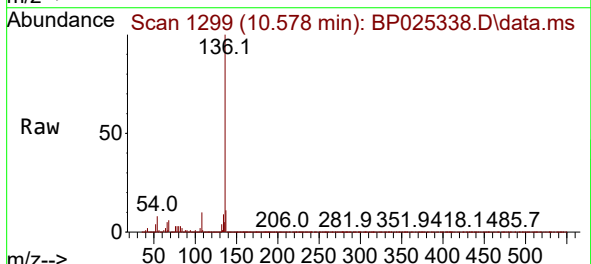
Instrument :
BNA_P
ClientSampleId :
VNJ-222

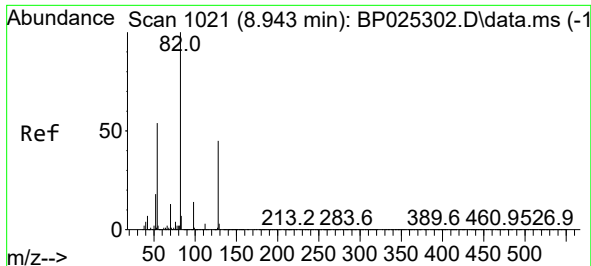
Tgt Ion: 99 Resp: 981645
Ion Ratio Lower Upper
99 100
42 17.2 15.0 22.6
71 30.9 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.578 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

Tgt Ion:136 Resp: 2050573
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.0 7.0 10.6
68 5.8 5.0 7.6

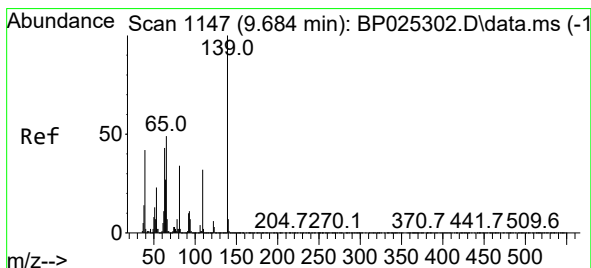
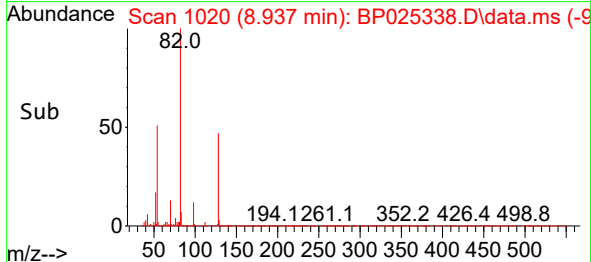
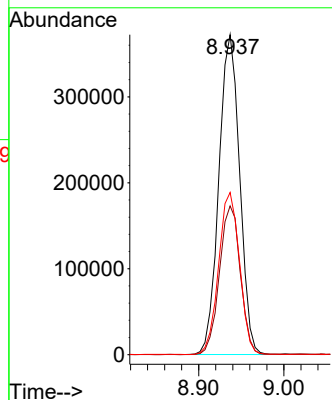
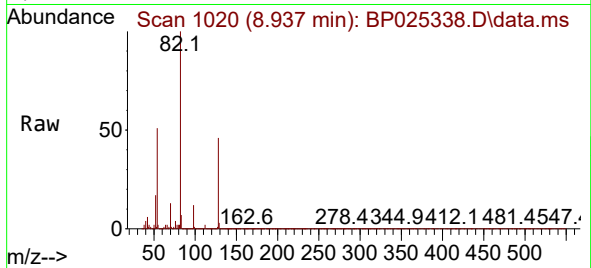




#23
Nitrobenzene-d5
Concen: 17.040 ng
RT: 8.937 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

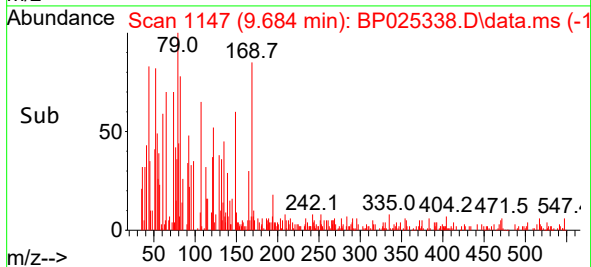
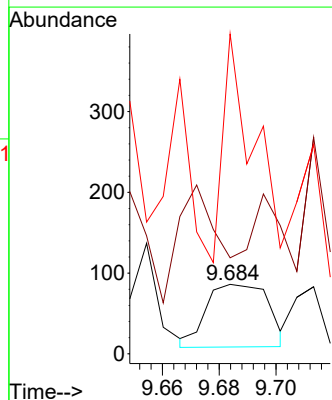
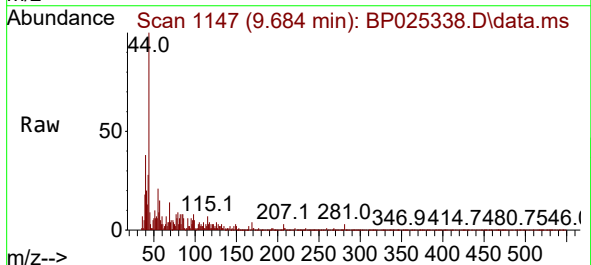
Instrument :
BNA_P
ClientSampleId :
VNJ-222

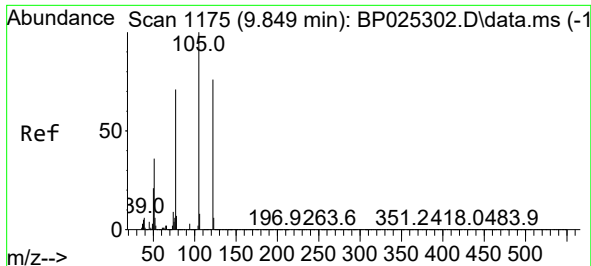
Tgt Ion: 82 Resp: 630713
Ion Ratio Lower Upper
82 100
128 46.5 35.4 53.2
54 50.7 42.9 64.3



#26
2-Nitrophenol
Concen: 3.645 ng
RT: 9.684 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

Tgt Ion:139 Resp: 117
Ion Ratio Lower Upper
139 100
109 138.4 25.2 37.8#
65 460.5 39.6 59.4#

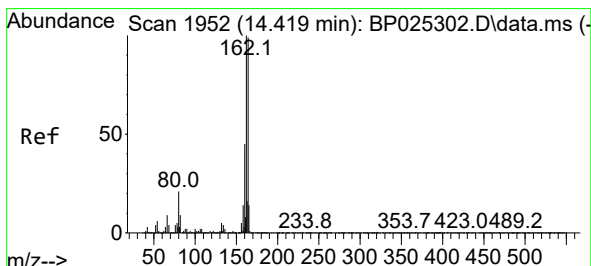
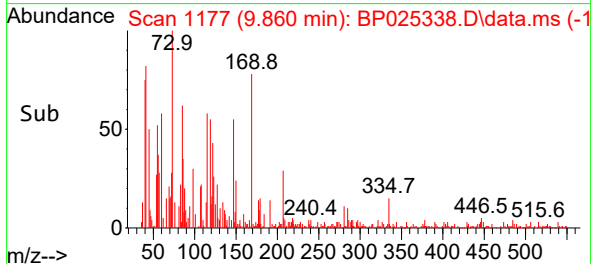
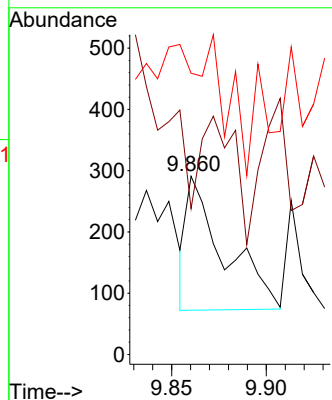
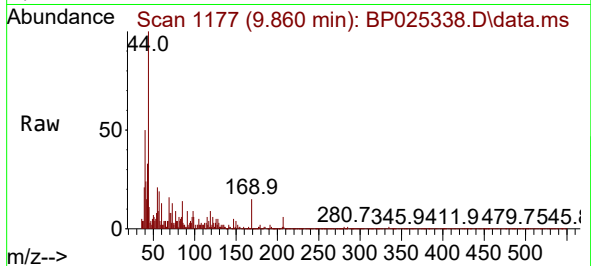




#32
Benzoic acid
Concen: 5.970 ng
RT: 9.860 min Scan# 1175
Delta R.T. 0.011 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

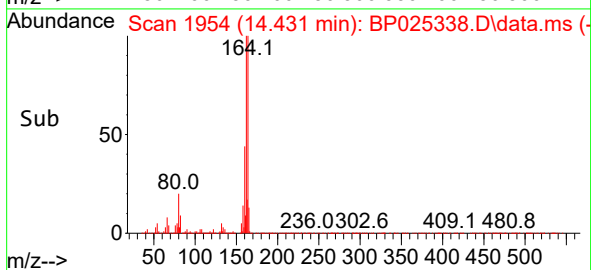
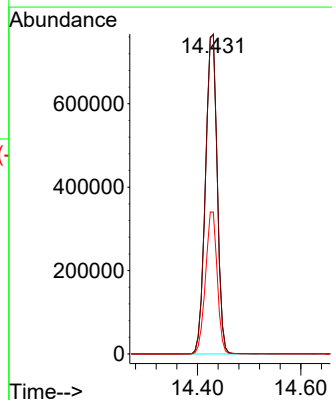
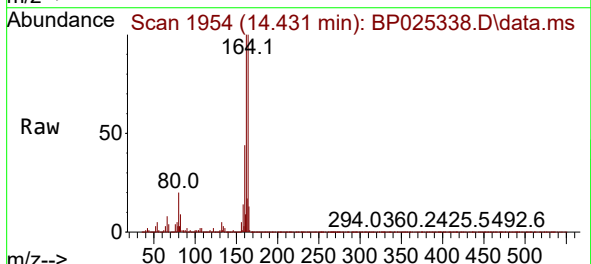
Instrument :
BNA_P
ClientSampleId :
VNJ-222

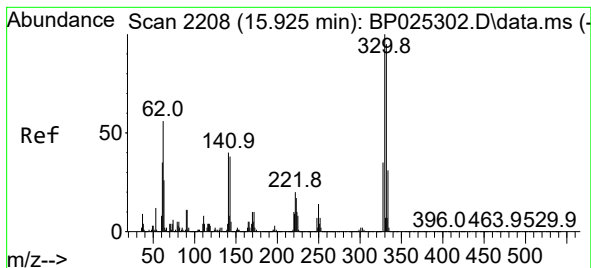
Tgt Ion:122 Resp: 297
Ion Ratio Lower Upper
122 100
105 81.8 104.0 144.0#
77 157.7 71.8 111.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.431 min Scan# 1954
Delta R.T. 0.012 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

Tgt Ion:164 Resp: 1207803
Ion Ratio Lower Upper
164 100
162 100.3 80.6 120.8
160 44.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 25.280 ng

RT: 15.931 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

Instrument :

BNA_P

ClientSampleId :

VNJ-222

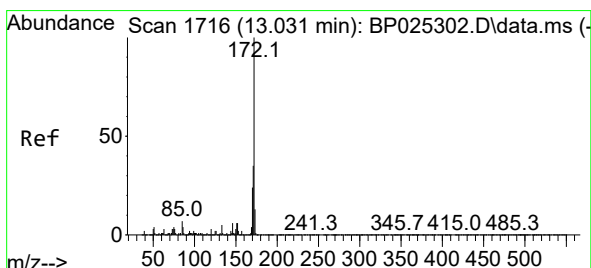
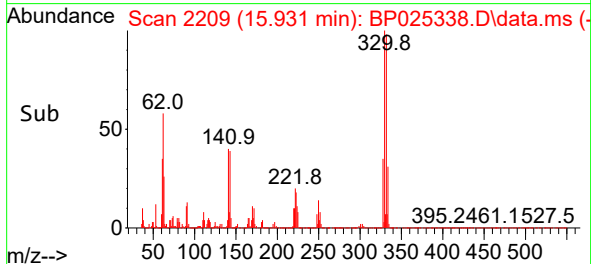
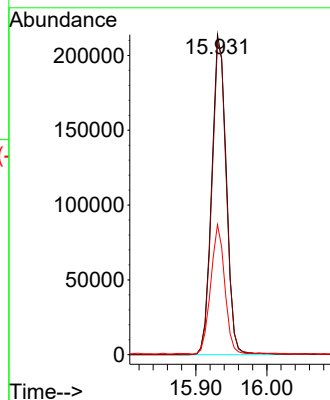
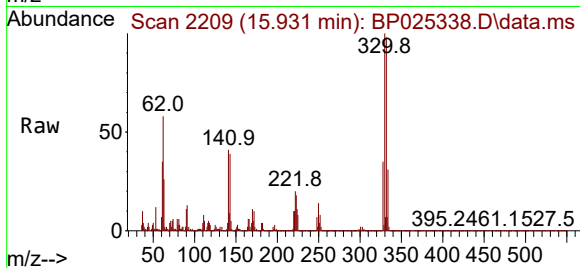
Tgt Ion:330 Resp: 304607

Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

141 39.1 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 17.608 ng

RT: 13.037 min Scan# 1717

Delta R.T. 0.006 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

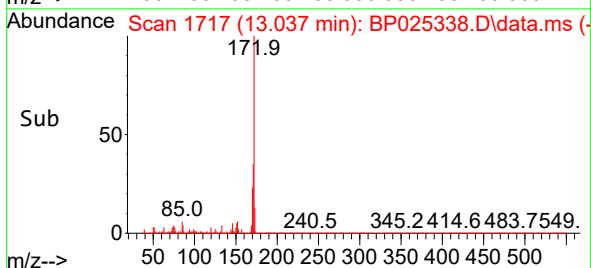
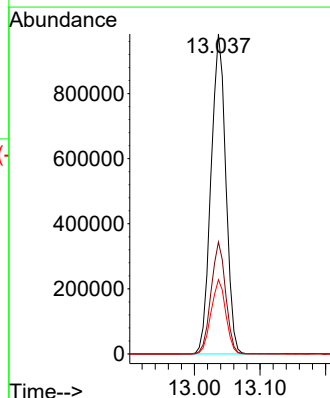
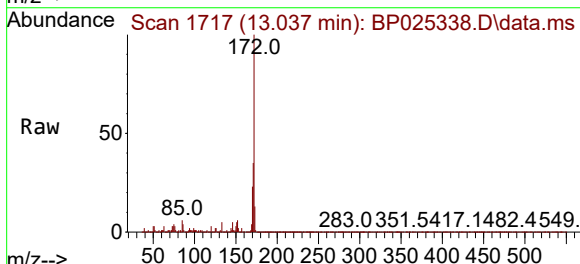
Tgt Ion:172 Resp: 1539775

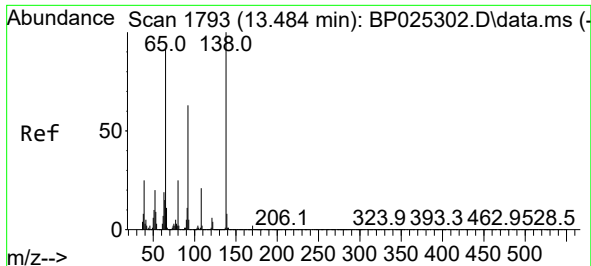
Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

170 23.2 18.9 28.3

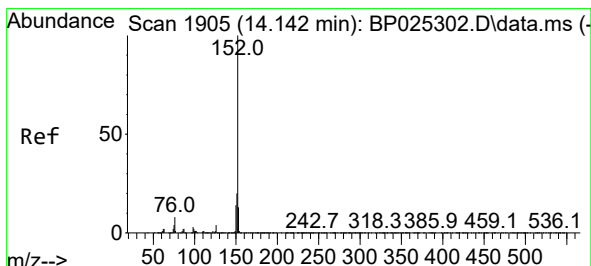
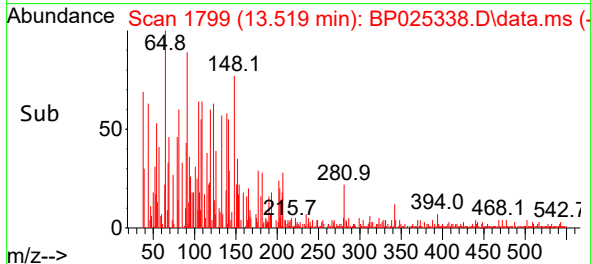
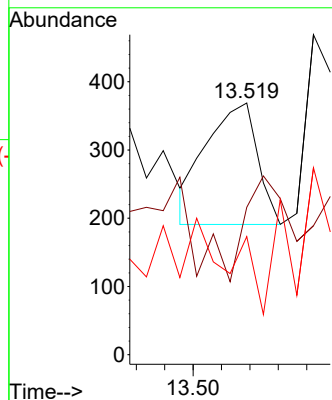
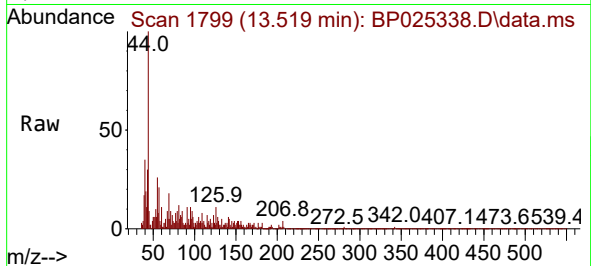




#48
2-Nitroaniline
Concen: 2.974 ng
RT: 13.519 min Scan# 1799
Delta R.T. 0.035 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

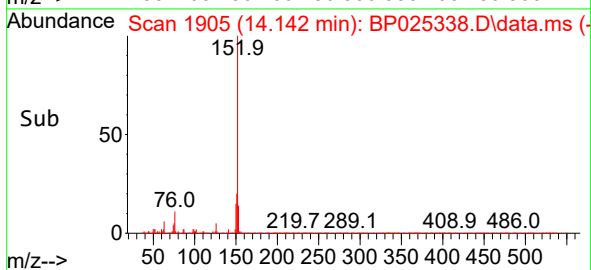
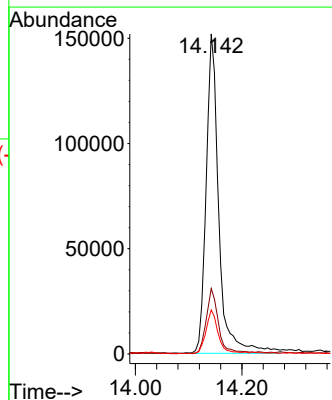
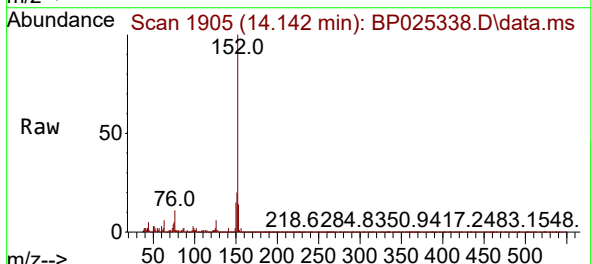
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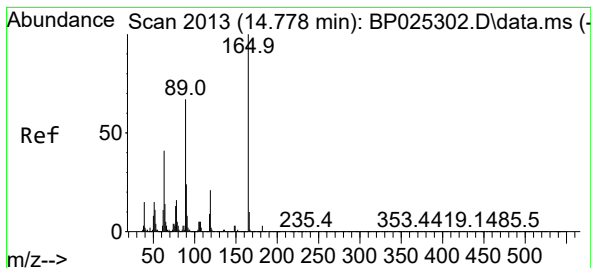
Tgt Ion: 65 Resp: 223
Ion Ratio Lower Upper
65 100
92 58.5 54.4 81.6
138 46.9 87.0 130.4#



#49
Acenaphthylene
Concen: 2.217 ng
RT: 14.142 min Scan# 1905
Delta R.T. 0.000 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

Tgt Ion: 152 Resp: 251178
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.6
153 13.7 10.4 15.6





#57

2,4-Dinitrotoluene

Concen: 3.273 ng

RT: 14.836 min Scan# 2013

Delta R.T. 0.058 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

Instrument :

BNA_P

ClientSampleId :

VNJ-222

Tgt Ion:165 Resp: 494

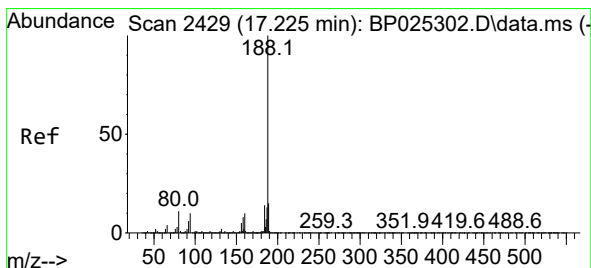
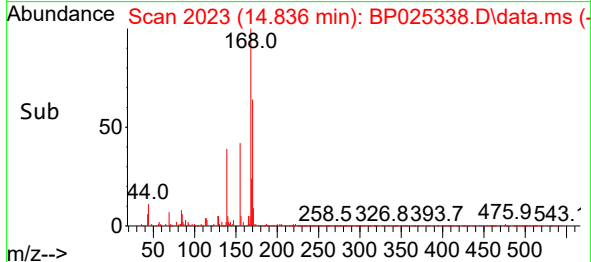
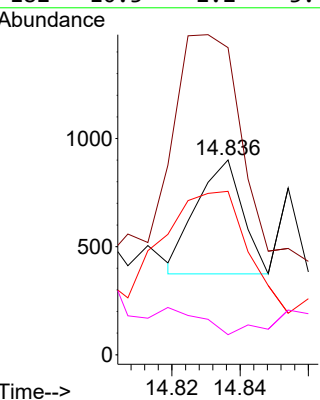
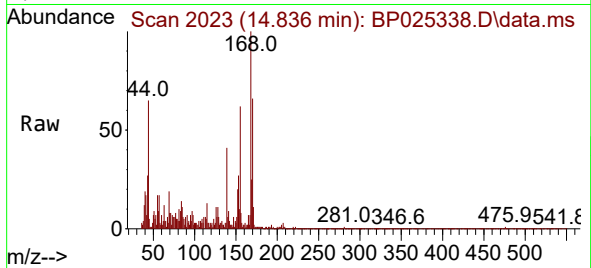
Ion Ratio Lower Upper

165 100

63 157.6 33.2 49.8#

89 83.9 53.5 80.3#

182 10.3 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.225 min Scan# 2429

Delta R.T. -0.000 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

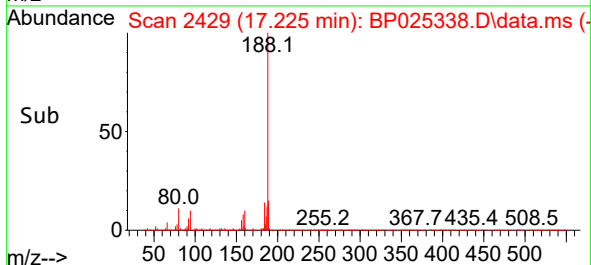
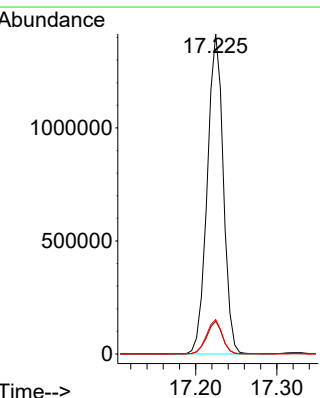
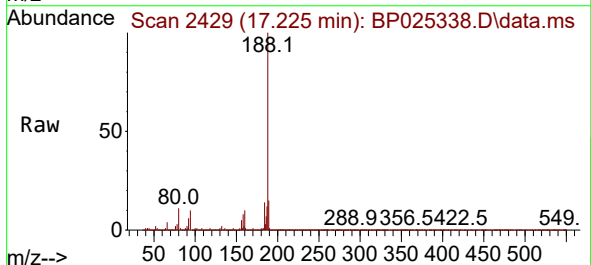
Tgt Ion:188 Resp: 1945051

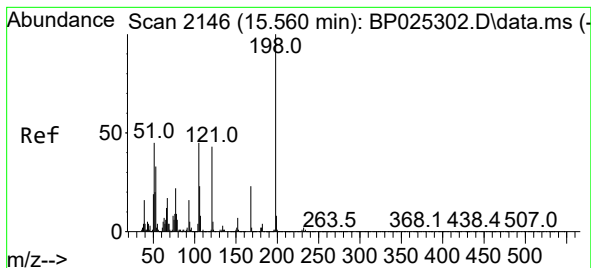
Ion Ratio Lower Upper

188 100

94 10.3 8.0 12.0

80 10.8 8.5 12.7

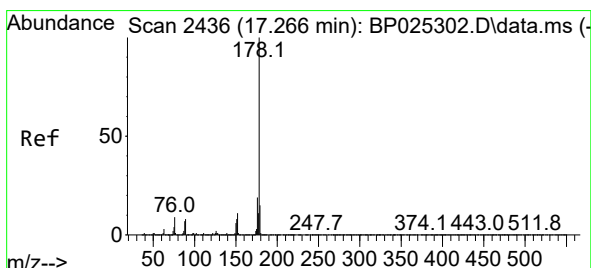
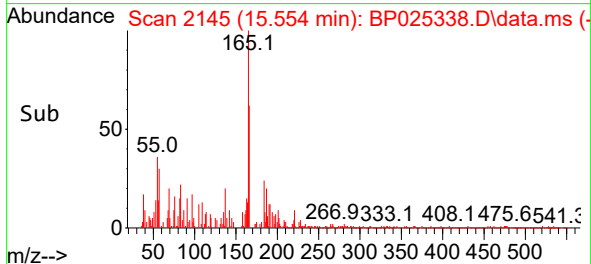
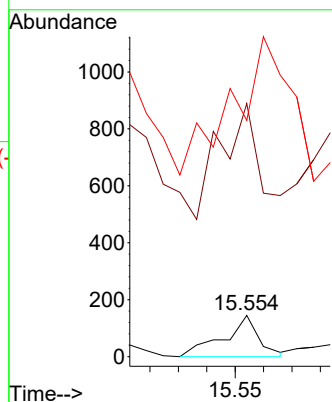
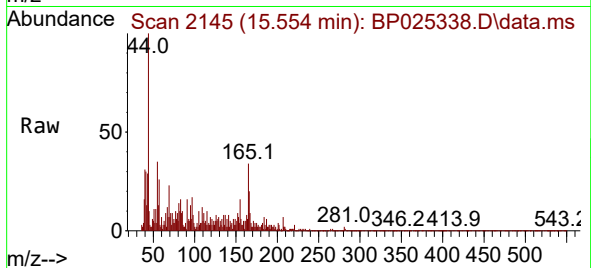




#65
4,6-Dinitro-2-methylphenol
Concen: 4.852 ng
RT: 15.554 min Scan# 2146
Delta R.T. -0.006 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

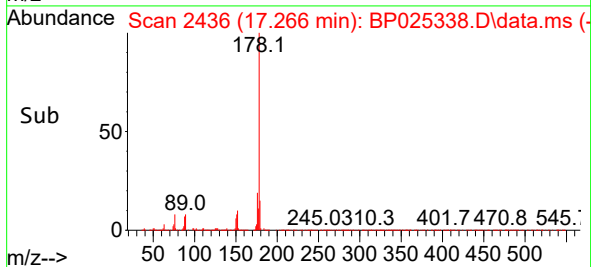
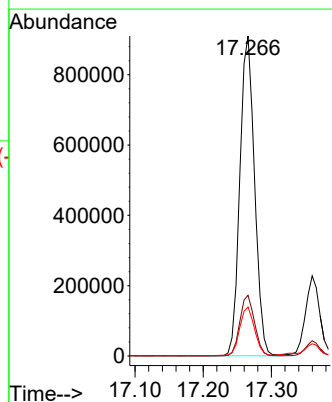
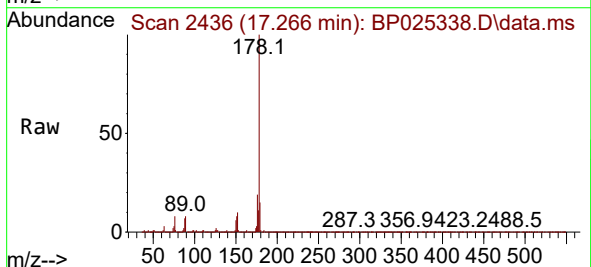
Instrument :
BNA_P
ClientSampleId :
VNJ-222

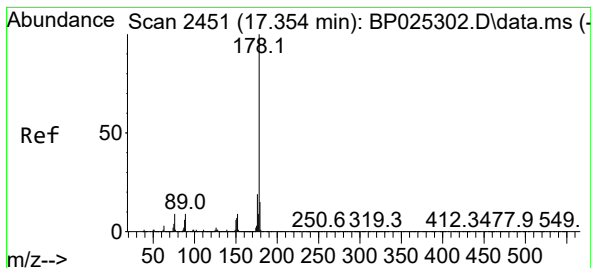
Tgt Ion:198 Resp: 125
Ion Ratio Lower Upper
198 100
51 613.1 26.7 66.7#
105 572.4 25.6 65.6#



#71
Phenanthrene
Concen: 12.813 ng
RT: 17.266 min Scan# 2436
Delta R.T. -0.000 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

Tgt Ion:178 Resp: 1364965
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.3 12.1 18.1





#72

Anthracene

Concen: 3.010 ng

RT: 17.360 min Scan# 2451

Delta R.T. 0.006 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

Instrument :

BNA_P

ClientSampleId :

VNJ-222

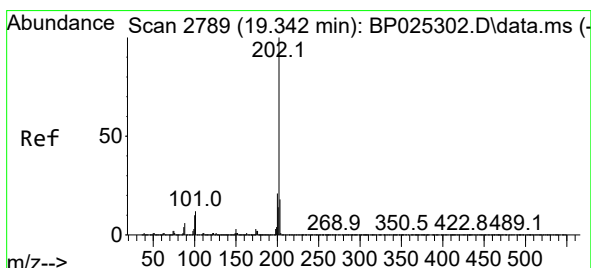
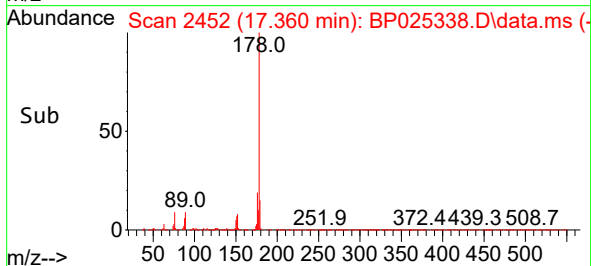
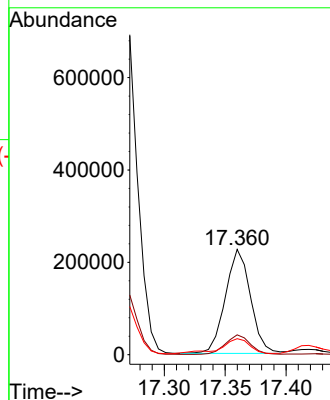
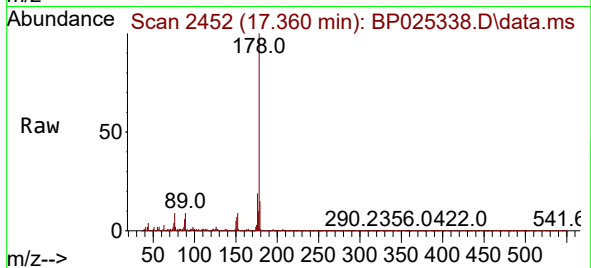
Tgt Ion:178 Resp: 323329

Ion Ratio Lower Upper

178 100

176 18.9 14.8 22.2

179 15.2 12.3 18.5



#75

Fluoranthene

Concen: 24.835 ng

RT: 19.348 min Scan# 2790

Delta R.T. 0.006 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

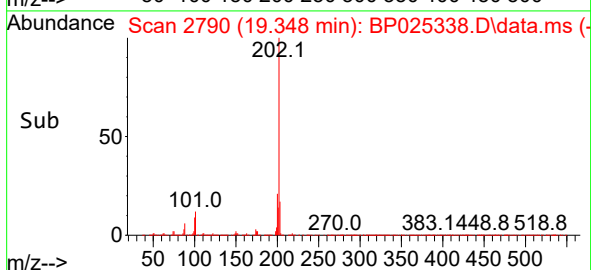
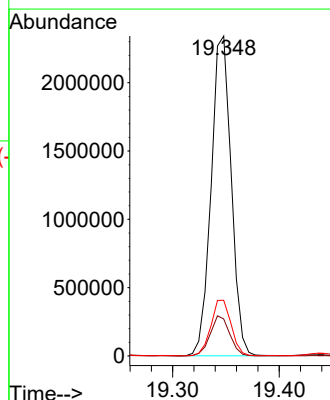
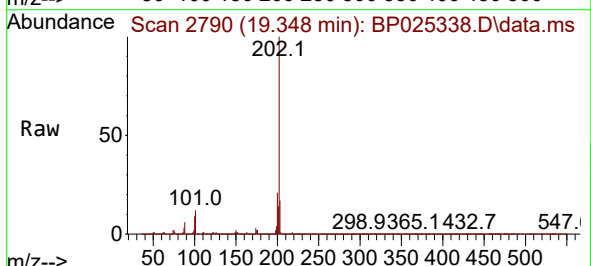
Tgt Ion:202 Resp: 3062828

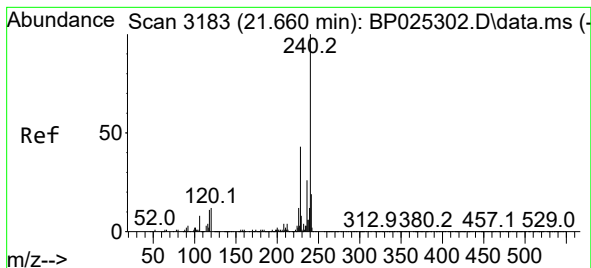
Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.5

203 17.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.671 min Scan# 3185

Delta R.T. 0.011 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

Instrument :

BNA_P

ClientSampleId :

VNJ-222

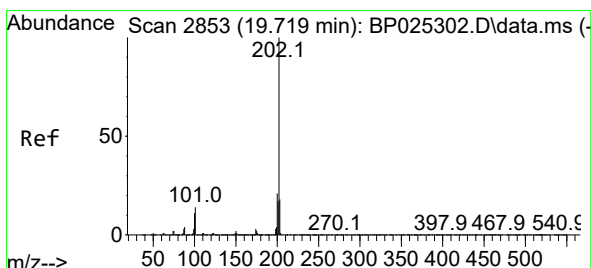
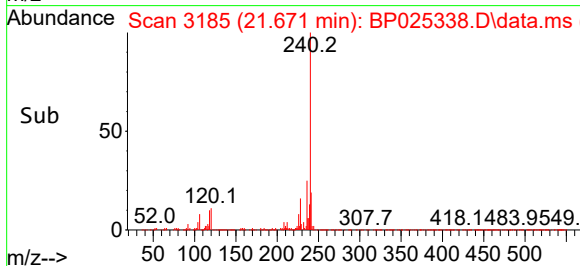
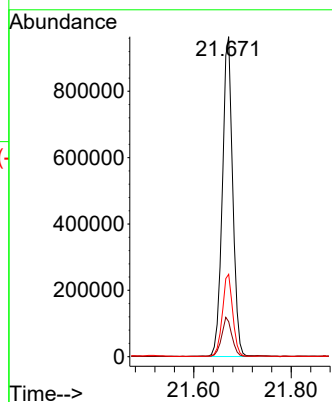
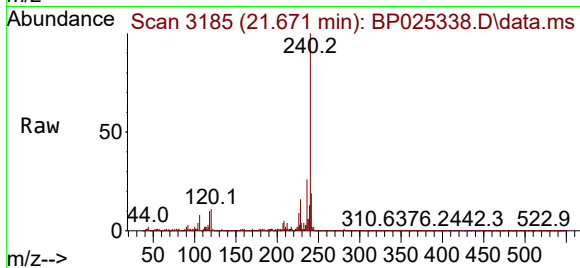
Tgt Ion:240 Resp: 1427654

Ion Ratio Lower Upper

240 100

120 11.0 9.6 14.4

236 25.7 20.4 30.6



#78

Pyrene

Concen: 29.713 ng

RT: 19.719 min Scan# 2853

Delta R.T. -0.000 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

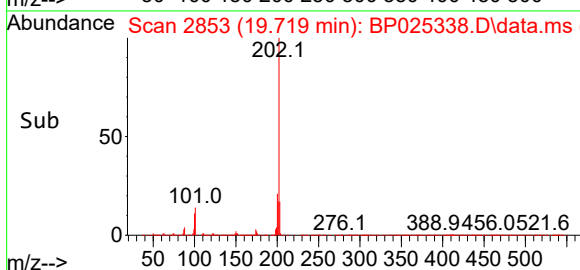
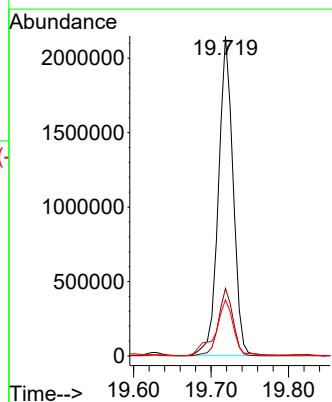
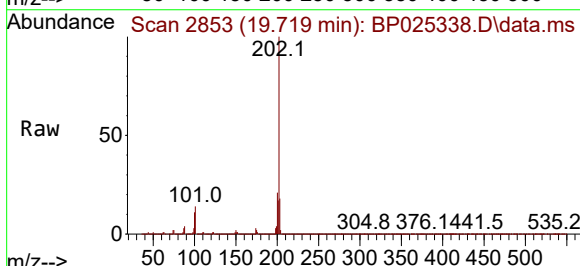
Tgt Ion:202 Resp: 2820858

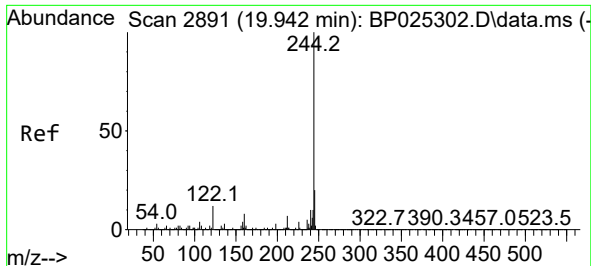
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.6 14.1 21.1

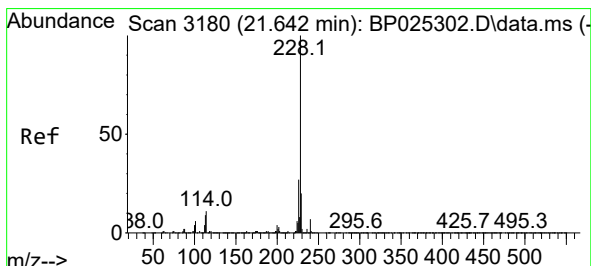
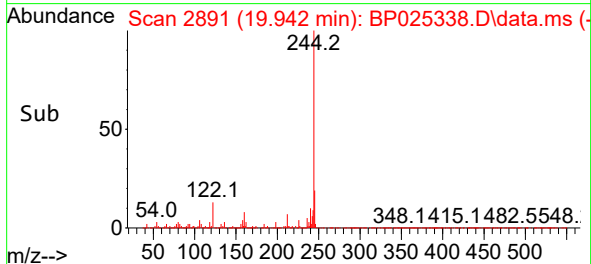
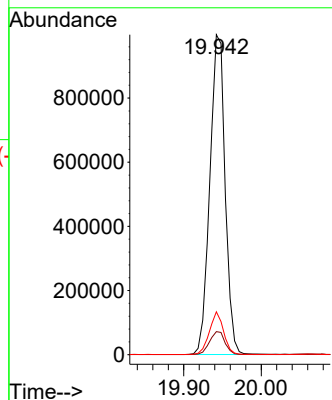
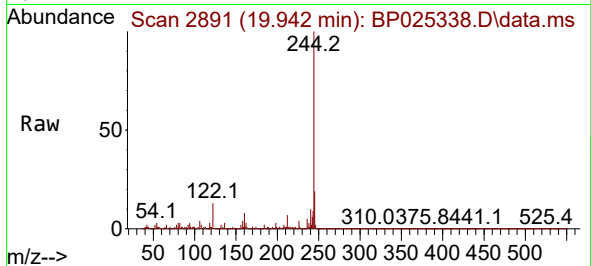




#79
 Terphenyl-d14
 Concen: 18.088 ng
 RT: 19.942 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP025338.D
 Acq: 08 Aug 2025 18:42

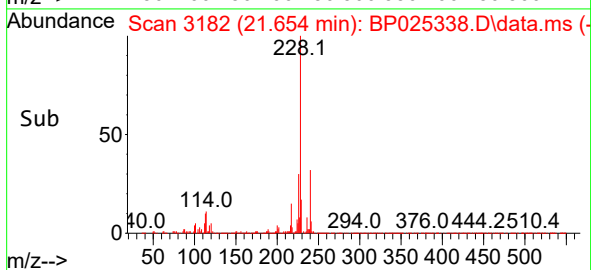
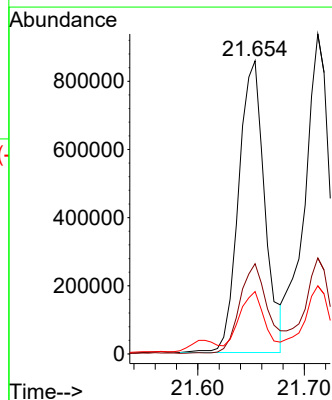
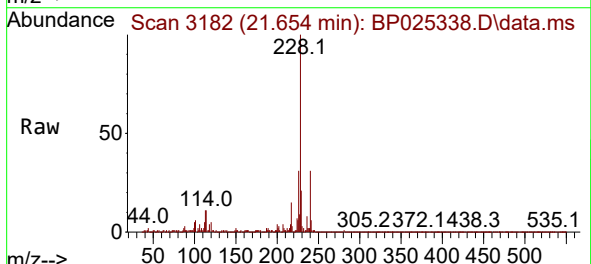
Instrument :
 BNA_P
 ClientSampleId :
 VNJ-222

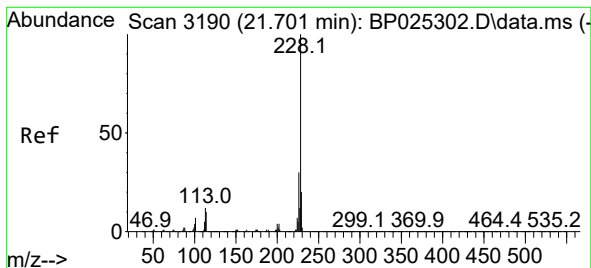
Tgt Ion:244 Resp: 1367225
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 13.4 9.5 14.3



#81
 Benzo(a)anthracene
 Concen: 15.417 ng
 RT: 21.654 min Scan# 3182
 Delta R.T. 0.012 min
 Lab File: BP025338.D
 Acq: 08 Aug 2025 18:42

Tgt Ion:228 Resp: 1462659
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.8 32.8
 229 21.3 16.0 24.0





#83

Chrysene

Concen: 17.396 ng

RT: 21.713 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

Instrument :

BNA_P

ClientSampleId :

VNJ-222

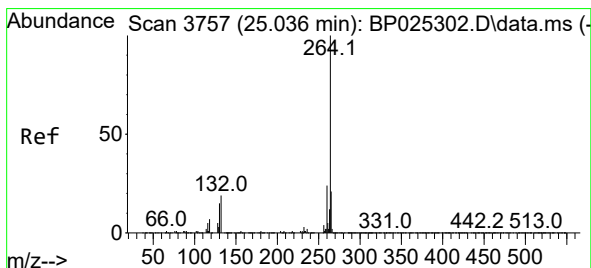
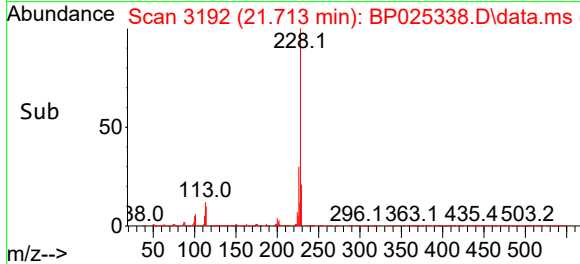
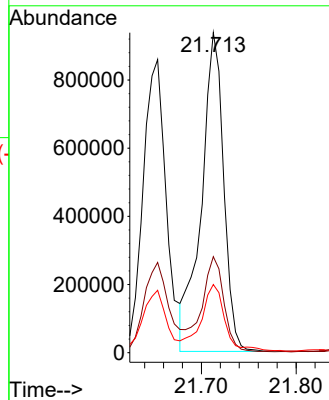
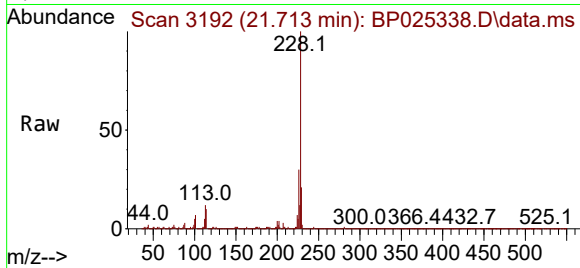
Tgt Ion:228 Resp: 1530725

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 21.3 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.065 min Scan# 3762

Delta R.T. 0.029 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

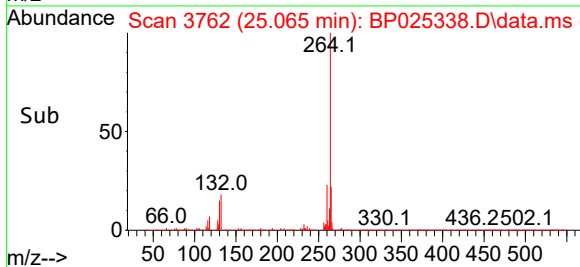
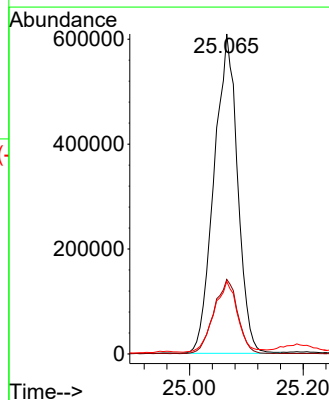
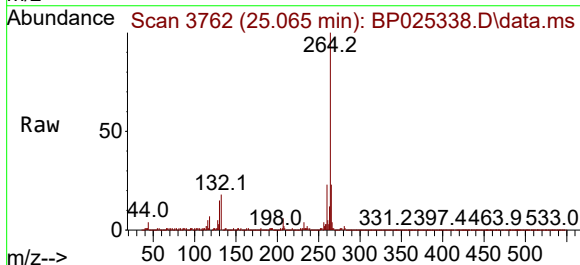
Tgt Ion:264 Resp: 1745398

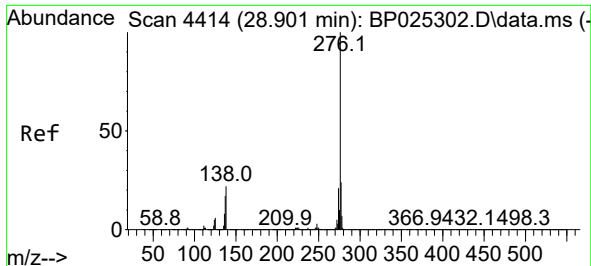
Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.7 17.1 25.7

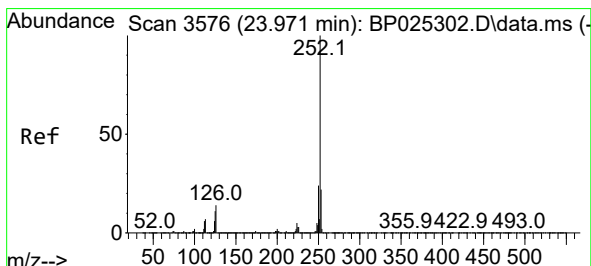
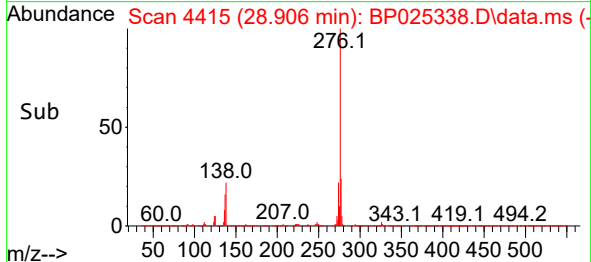
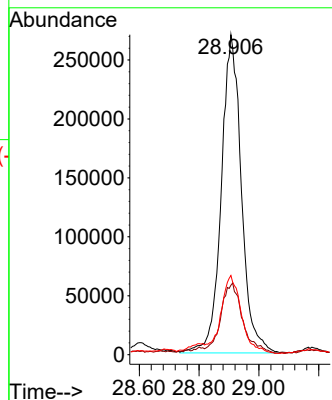
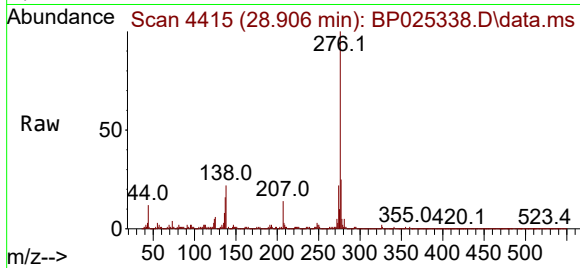




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.082 ng
 RT: 28.906 min Scan# 4414
 Delta R.T. 0.005 min
 Lab File: BP025338.D
 Acq: 08 Aug 2025 18:42

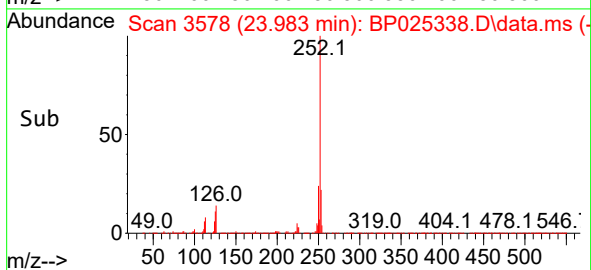
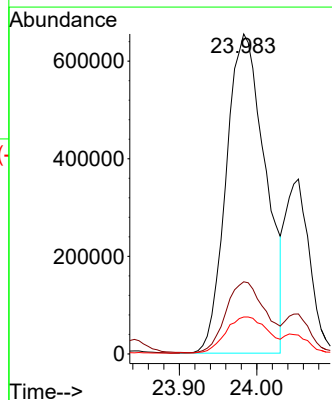
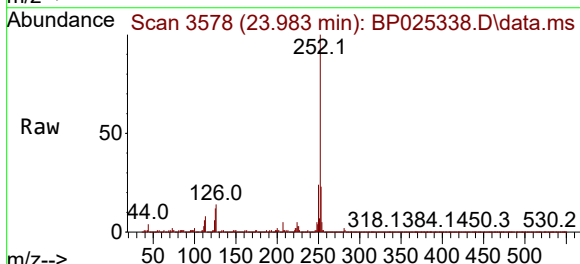
Instrument :
 BNA_P
 ClientSampleId :
 VNJ-222

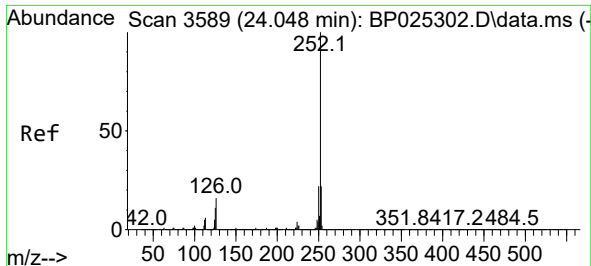
Tgt Ion: 276 Resp: 1261292
 Ion Ratio Lower Upper
 276 100
 138 23.8 14.6 22.0#
 277 24.6 16.8 25.2



#88
 Benzo(b)fluoranthene
 Concen: 21.997 ng
 RT: 23.983 min Scan# 3578
 Delta R.T. 0.012 min
 Lab File: BP025338.D
 Acq: 08 Aug 2025 18:42

Tgt Ion: 252 Resp: 2298276
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.5 26.3
 125 11.6 8.5 12.7

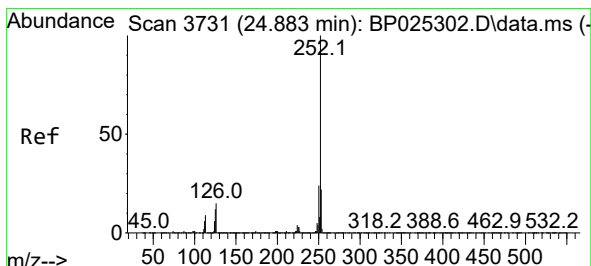
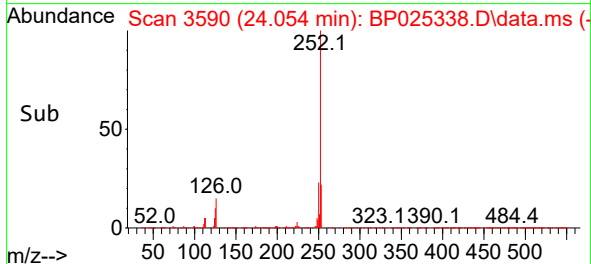
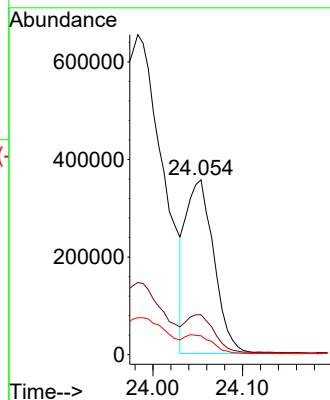
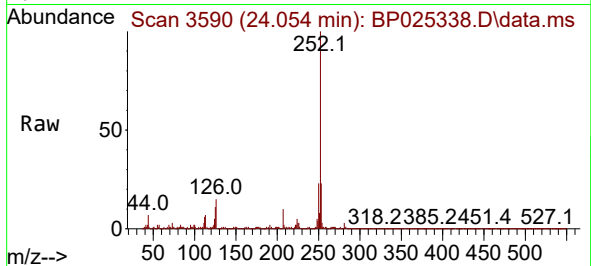




#89
Benzo(k)fluoranthene
Concen: 7.417 ng
RT: 24.054 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

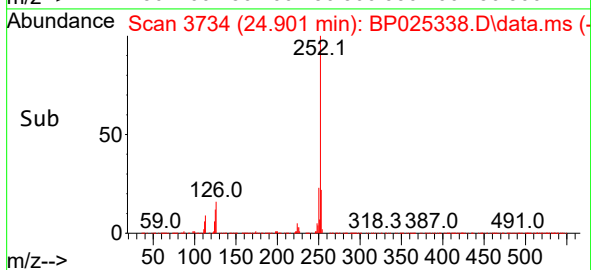
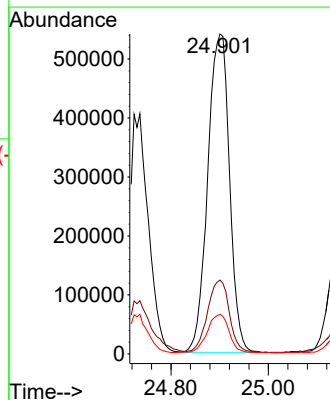
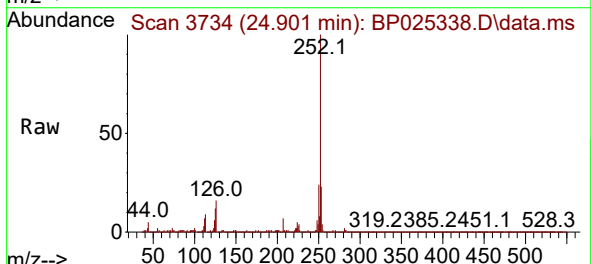
Instrument :
BNA_P
ClientSampleId :
VNJ-222

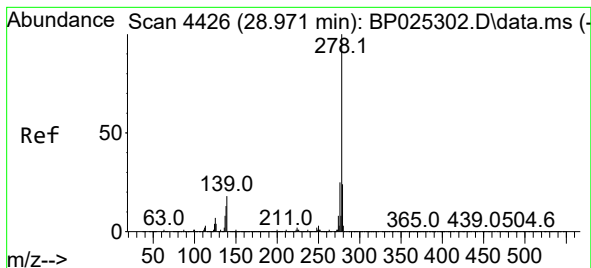
Tgt Ion:252 Resp: 768205
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 10.8 8.5 12.7



#90
Benzo(a)pyrene
Concen: 16.606 ng
RT: 24.901 min Scan# 3734
Delta R.T. 0.018 min
Lab File: BP025338.D
Acq: 08 Aug 2025 18:42

Tgt Ion:252 Resp: 1670866
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 12.4 9.4 14.0





#91

Dibenzo(a,h)anthracene

Concen: 2.929 ng

RT: 28.983 min Scan# 4426

Delta R.T. 0.012 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

Instrument :

BNA_P

ClientSampleId :

VNJ-222

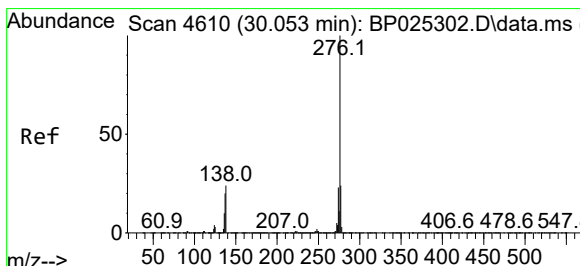
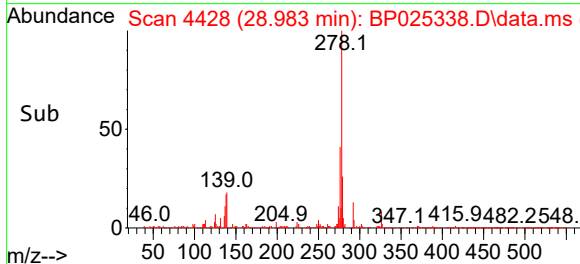
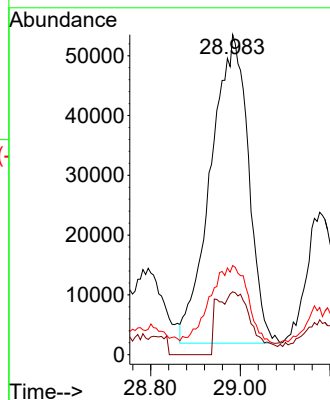
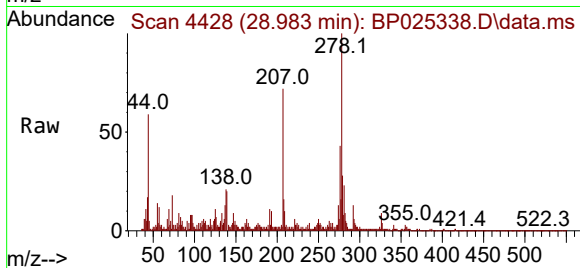
Tgt Ion:278 Resp: 300115

Ion Ratio Lower Upper

278 100

139 19.7 14.6 22.0

279 27.8 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 12.166 ng

RT: 30.083 min Scan# 4615

Delta R.T. 0.030 min

Lab File: BP025338.D

Acq: 08 Aug 2025 18:42

Tgt Ion:276 Resp: 1223349

Ion Ratio Lower Upper

276 100

277 24.5 19.3 28.9

138 25.3 19.1 28.7

