

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025508.D
 Acq On : 20 Aug 2025 14:53
 Operator : CG/JU
 Sample : Q2884-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-232

Quant Time: Aug 20 15:20:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

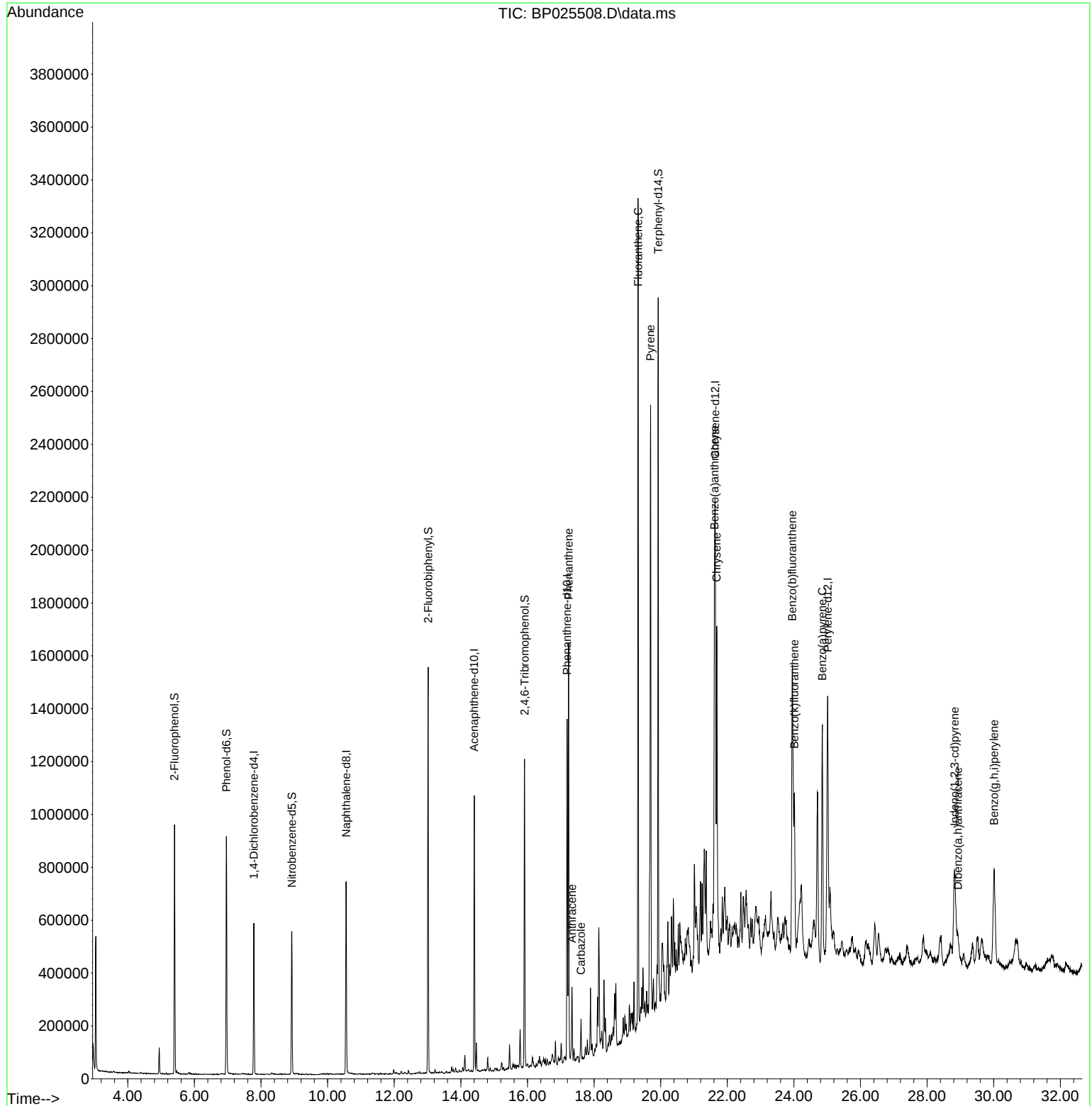
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	160580	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	615634	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	372634	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	733208	20.000	ng	-0.01
76) Chrysene-d12	21.636	240	822791	20.000	ng	-0.01
86) Perylene-d12	25.012	264	984047	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	408623	42.259	ng	0.00
7) Phenol-d6	6.960	99	513809	41.446	ng	0.00
23) Nitrobenzene-d5	8.925	82	324941	26.700	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	218216	43.507	ng	0.00
45) 2-Fluorobiphenyl	13.019	172	760489	27.892	ng	0.00
79) Terphenyl-d14	19.925	244	1240834	27.591	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.236	178	998066	24.780	ng	99
72) Anthracene	17.336	178	196424	4.776	ng	99
73) Carbazole	17.607	167	95596	2.467	ng	99
75) Fluoranthene	19.319	202	1868019	38.881	ng	99
78) Pyrene	19.695	202	1577946	29.506	ng	99
81) Benzo(a)anthracene	21.613	228	842542	15.527	ng	98
83) Chrysene	21.683	228	981960	19.323	ng	96
87) Indeno(1,2,3-cd)pyrene	28.824	276	678221	9.398	ng	94
88) Benzo(b)fluoranthene	23.954	252	1291725	22.261	ng	99
89) Benzo(k)fluoranthene	24.013	252	428310	7.376	ng	96
90) Benzo(a)pyrene	24.854	252	857899	15.188	ng	98
91) Dibenzo(a,h)anthracene	28.924	278	171823	2.914	ng	97
92) Benzo(g,h,i)perylene	30.012	276	647009	11.161	ng	98

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

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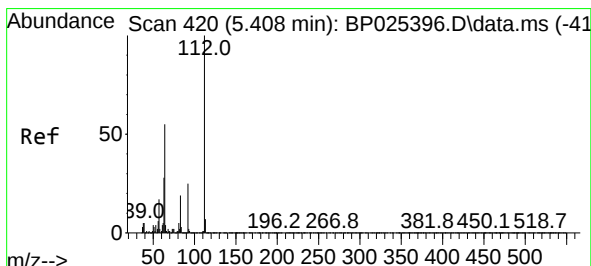
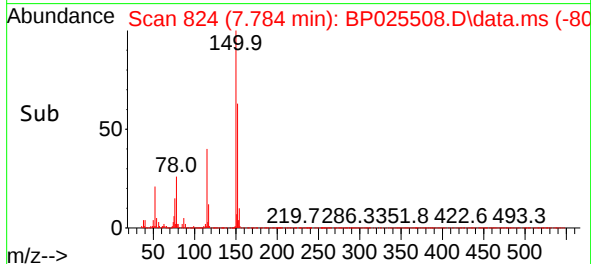
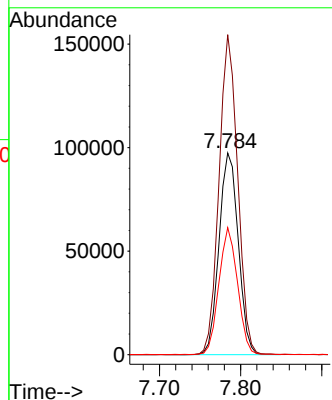
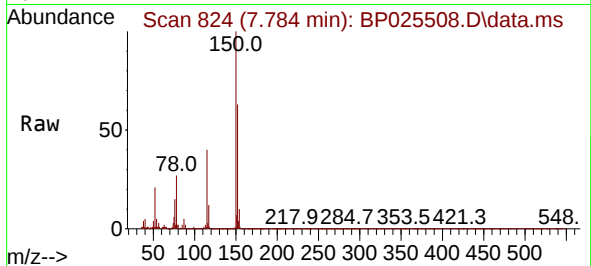




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.784 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BP025508.D
 Acq: 20 Aug 2025 14:53

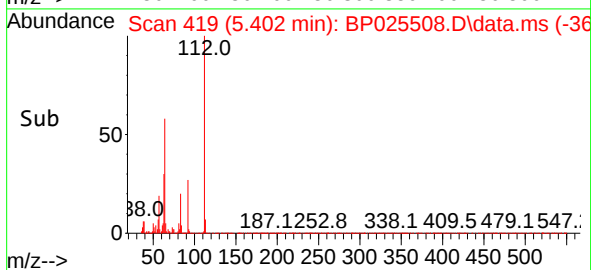
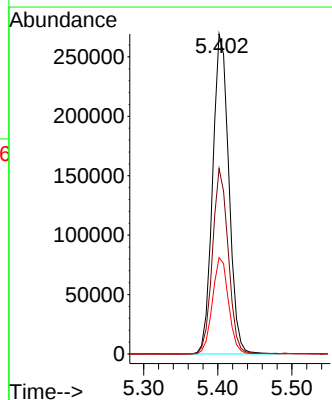
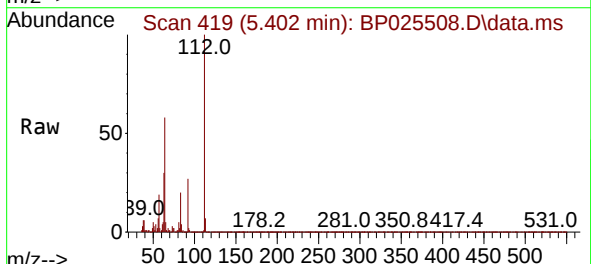
Instrument :
 BNA_P
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 VNJ-232

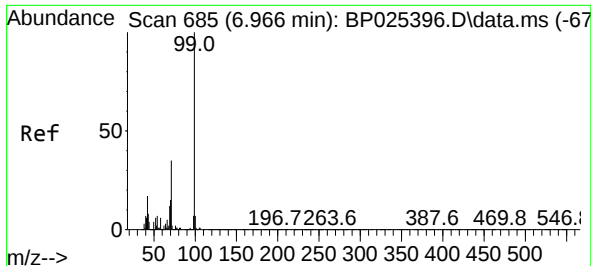
Tgt Ion:152 Resp: 160580
 Ion Ratio Lower Upper
 152 100
 150 158.6 125.9 188.9
 115 63.0 48.5 72.7



#5
 2-Fluorophenol
 Concen: 42.259 ng
 RT: 5.402 min Scan# 419
 Delta R.T. -0.006 min
 Lab File: BP025508.D
 Acq: 20 Aug 2025 14:53

Tgt Ion:112 Resp: 408623
 Ion Ratio Lower Upper
 112 100
 64 58.0 43.8 65.8
 63 30.1 22.7 34.1

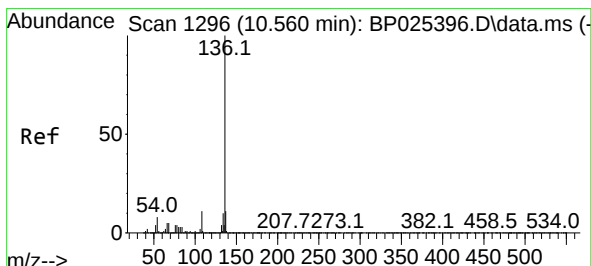
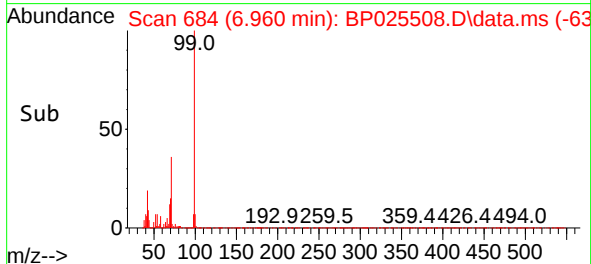
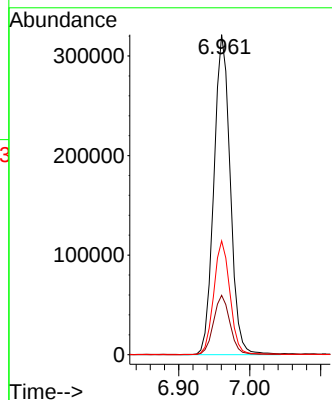
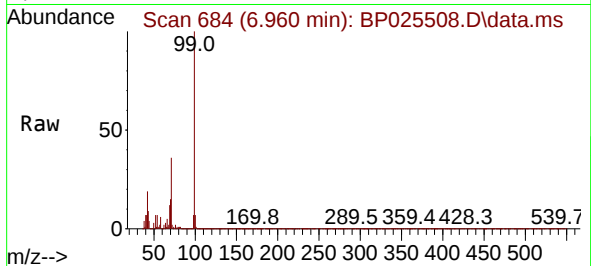




#7
Phenol-d6
Concen: 41.446 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

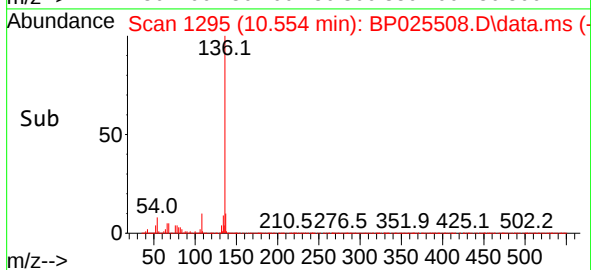
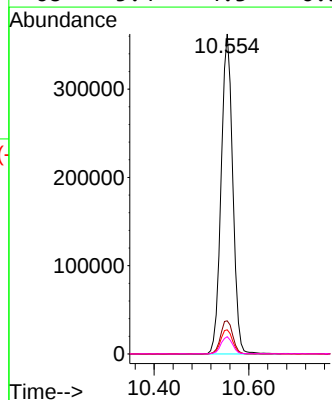
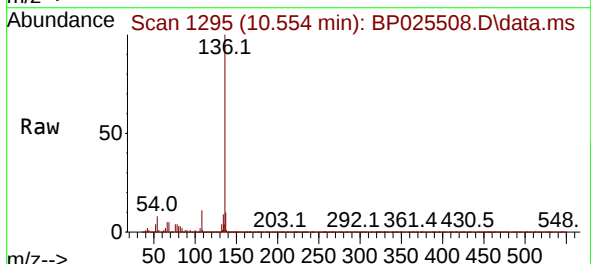
Instrument :
BNA_P
ClientSampleId :
VNJ-232

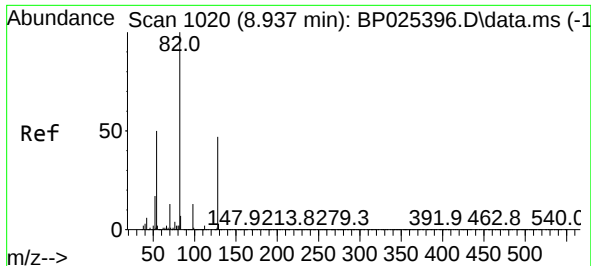
Tgt Ion: 99 Resp: 513809
Ion Ratio Lower Upper
99 100
42 18.6 13.7 20.5
71 35.6 28.2 42.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

Tgt Ion: 136 Resp: 615634
Ion Ratio Lower Upper
136 100
137 10.3 9.2 13.8
54 7.5 6.0 9.0
68 5.4 4.3 6.5

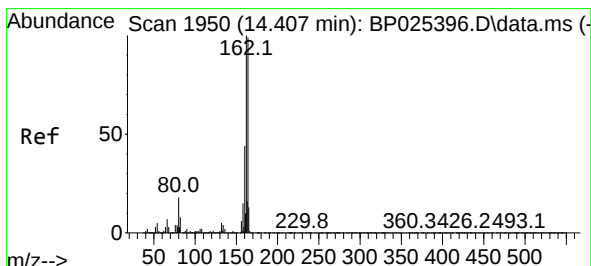
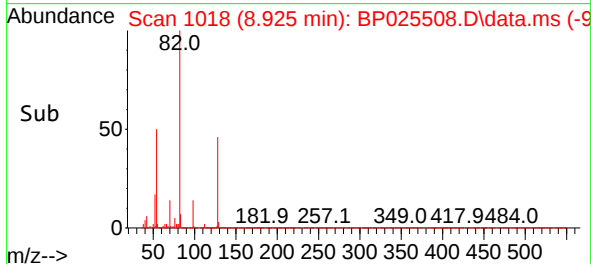
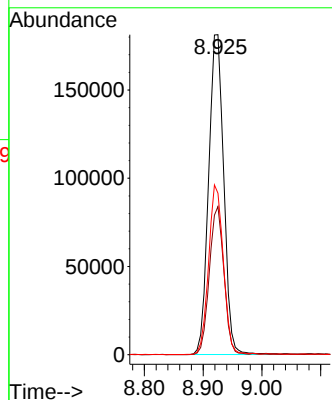
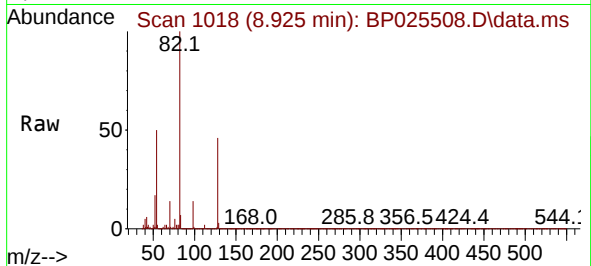




#23
Nitrobenzene-d5
Concen: 26.700 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

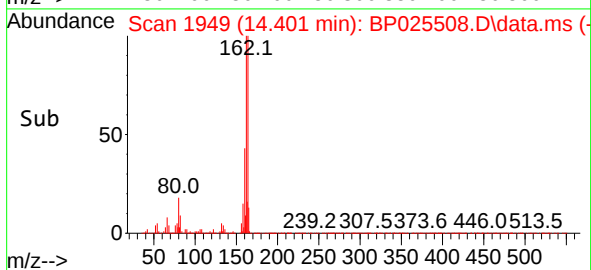
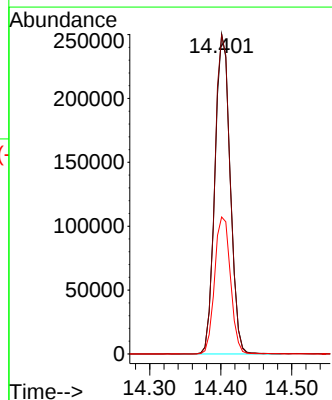
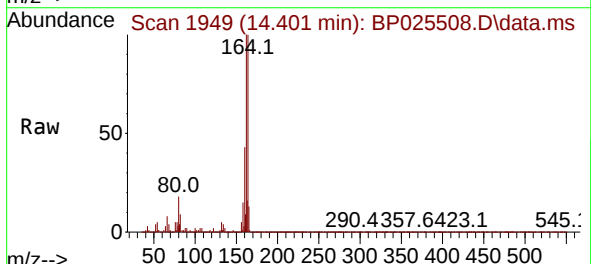
Instrument :
BNA_P
ClientSampleId :
VNJ-232

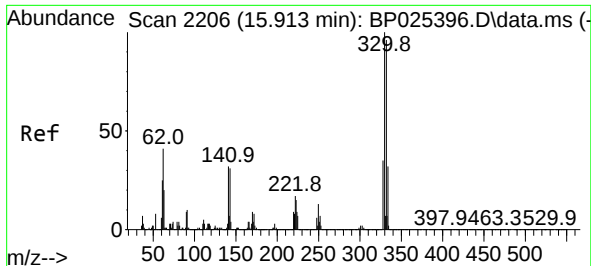
Tgt Ion: 82 Resp: 324941
Ion Ratio Lower Upper
82 100
128 46.3 37.7 56.5
54 50.5 39.8 59.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

Tgt Ion:164 Resp: 372634
Ion Ratio Lower Upper
164 100
162 99.6 81.0 121.6
160 42.8 35.4 53.2

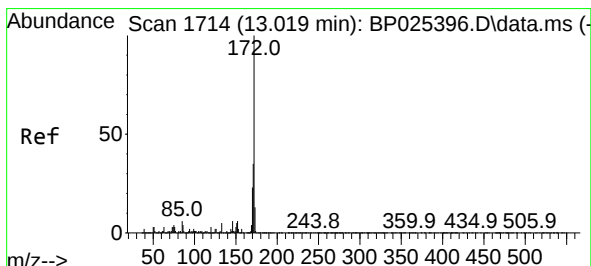
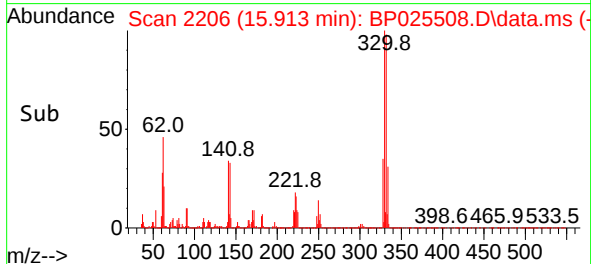
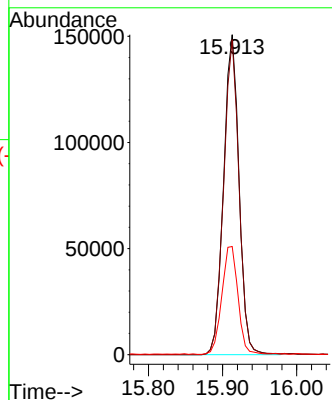
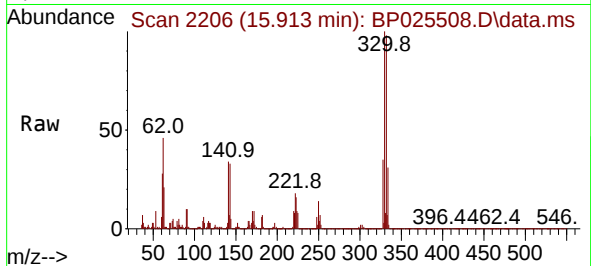




#42
2,4,6-Tribromophenol
Concen: 43.507 ng
RT: 15.913 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

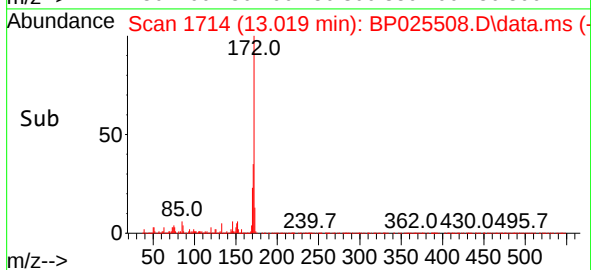
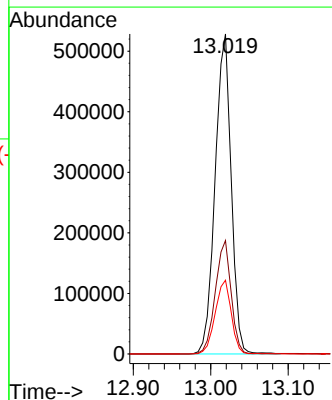
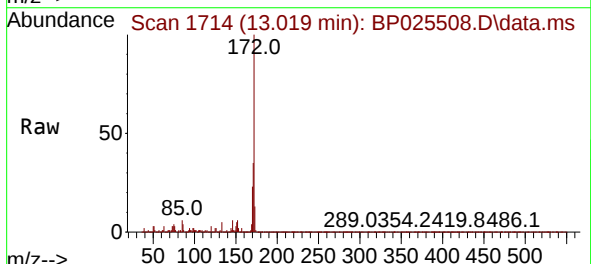
Instrument :
BNA_P
ClientSampleId :
VNJ-232

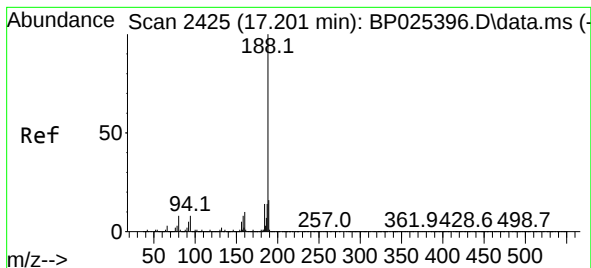
Tgt Ion:330 Resp: 218216
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 35.1 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 27.892 ng
RT: 13.019 min Scan# 1714
Delta R.T. 0.000 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

Tgt Ion:172 Resp: 760489
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.1 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.189 min Scan# 2423

Delta R.T. -0.012 min

Lab File: BP025508.D

Acq: 20 Aug 2025 14:53

Instrument :

BNA_P

ClientSampleId :

VNJ-232

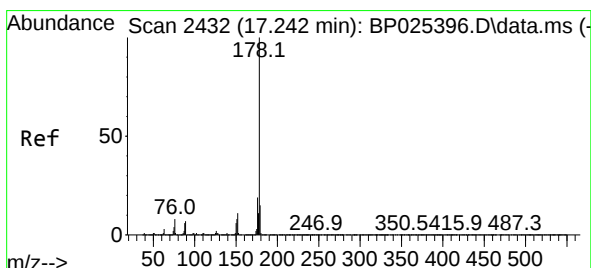
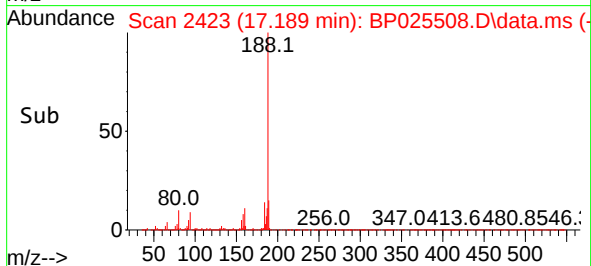
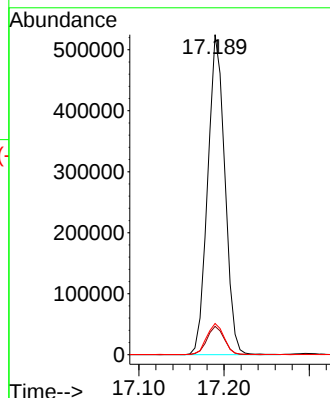
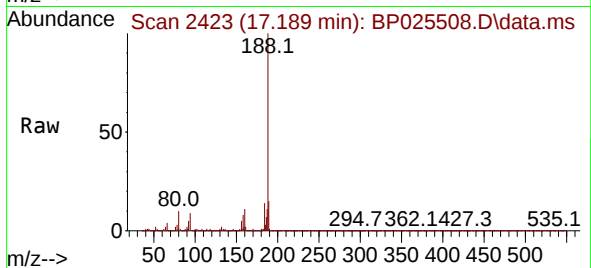
Tgt Ion:188 Resp: 733208

Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.8 6.7 10.1



#71

Phenanthrene

Concen: 24.780 ng

RT: 17.236 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BP025508.D

Acq: 20 Aug 2025 14:53

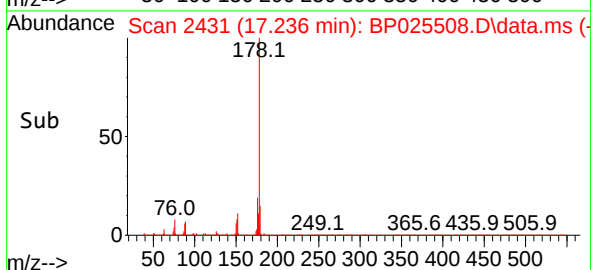
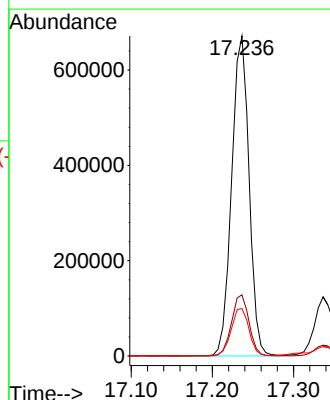
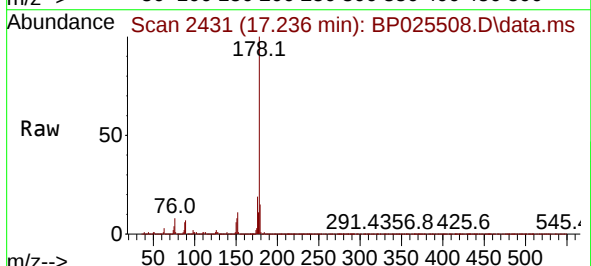
Tgt Ion:178 Resp: 998066

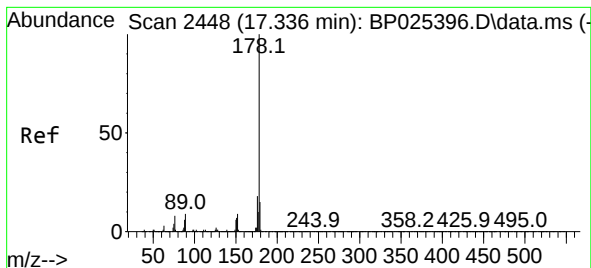
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 14.8 12.2 18.4





#72

Anthracene

Concen: 4.776 ng

RT: 17.336 min Scan# 2448

Delta R.T. 0.000 min

Lab File: BP025508.D

Acq: 20 Aug 2025 14:53

Instrument :

BNA_P

ClientSampleId :

VNJ-232

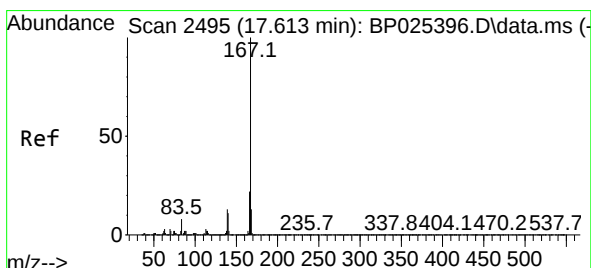
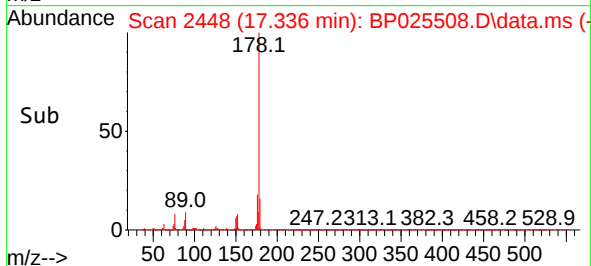
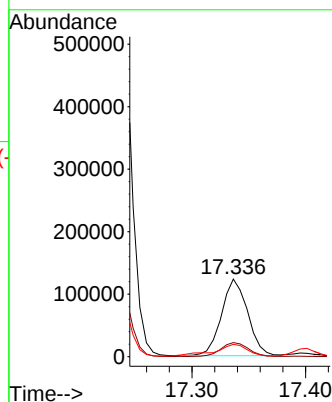
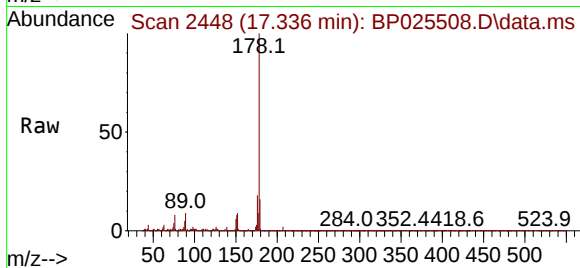
Tgt Ion:178 Resp: 196424

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

179 15.9 12.2 18.2



#73

Carbazole

Concen: 2.467 ng

RT: 17.607 min Scan# 2494

Delta R.T. -0.006 min

Lab File: BP025508.D

Acq: 20 Aug 2025 14:53

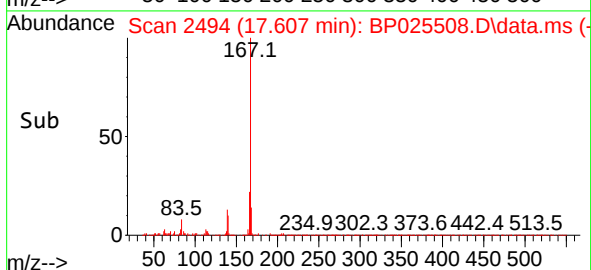
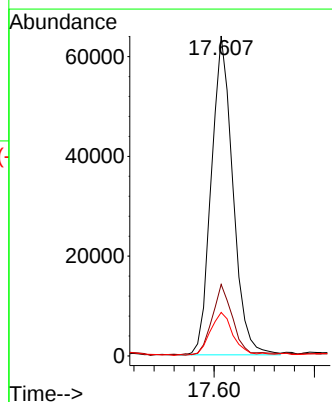
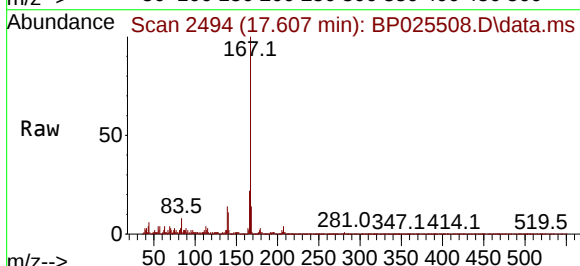
Tgt Ion:167 Resp: 95596

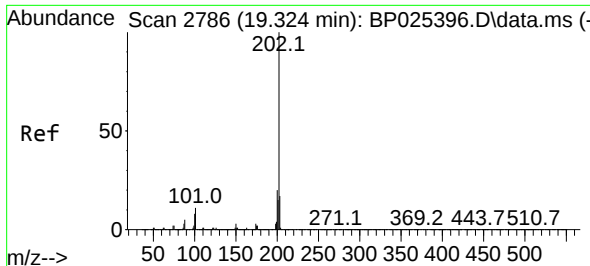
Ion Ratio Lower Upper

167 100

166 22.4 17.5 26.3

139 13.6 10.6 16.0

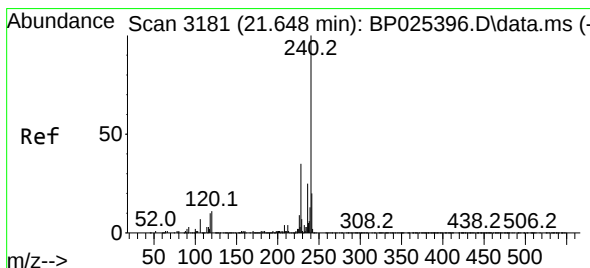
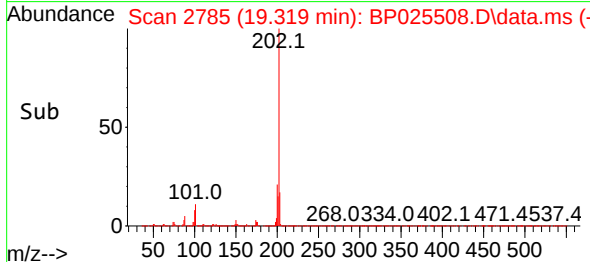
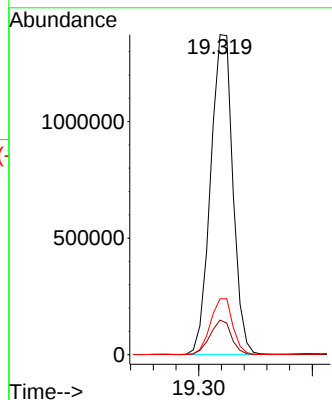
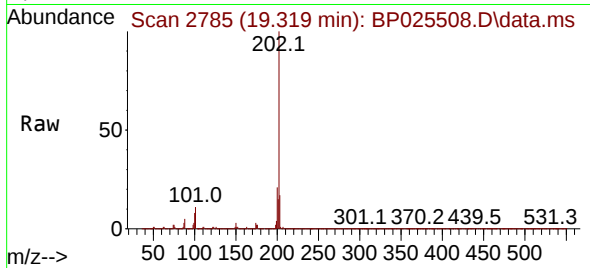




#75
Fluoranthene
Concen: 38.881 ng
RT: 19.319 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

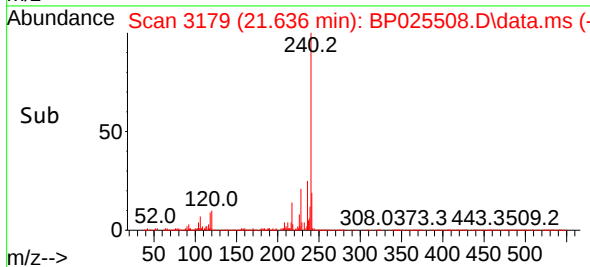
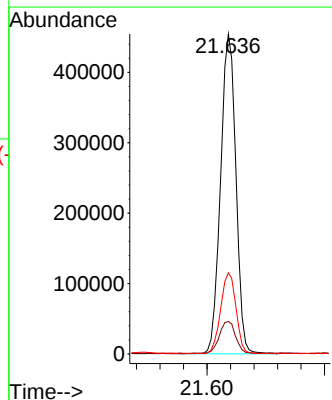
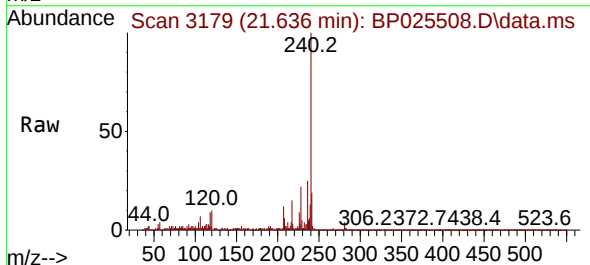
Instrument :
BNA_P
ClientSampleId :
VNJ-232

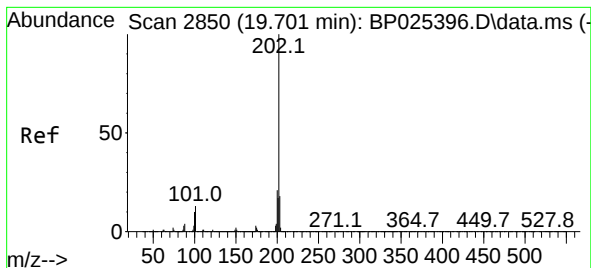
Tgt Ion:202 Resp: 1868019
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.1
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

Tgt Ion:240 Resp: 822791
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.4 19.8 29.8





#78

Pyrene

Concen: 29.506 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025508.D

Acq: 20 Aug 2025 14:53

Instrument :

BNA_P

ClientSampleId :

VNJ-232

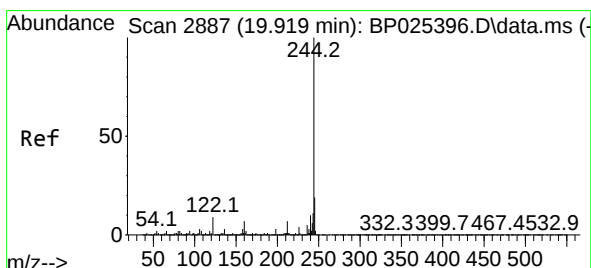
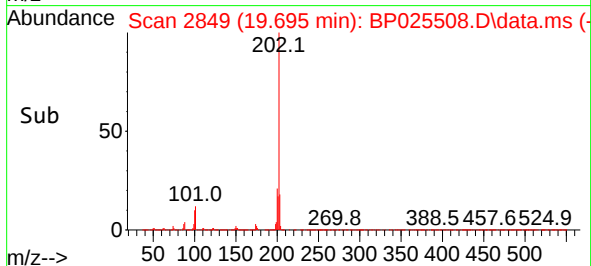
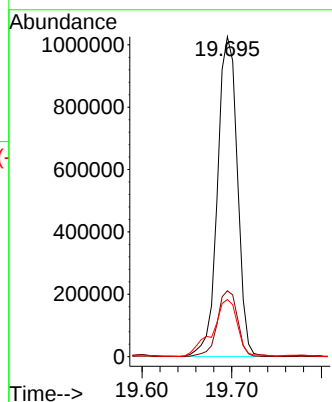
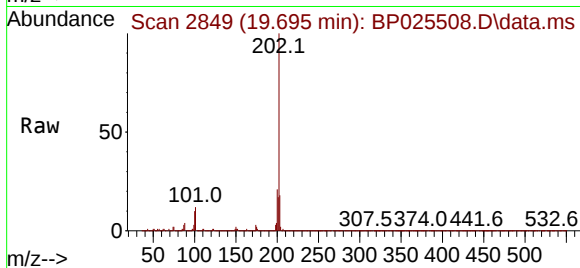
Tgt Ion:202 Resp: 1577946

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.8 14.2 21.2



#79

Terphenyl-d14

Concen: 27.591 ng

RT: 19.925 min Scan# 2888

Delta R.T. 0.006 min

Lab File: BP025508.D

Acq: 20 Aug 2025 14:53

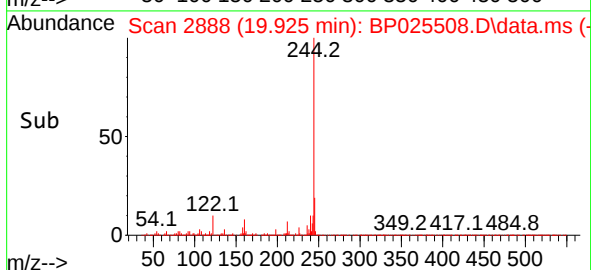
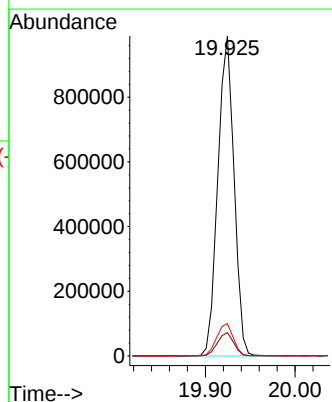
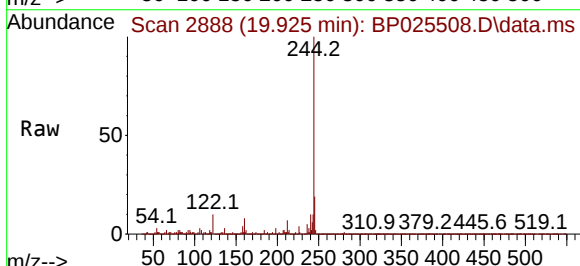
Tgt Ion:244 Resp: 1240834

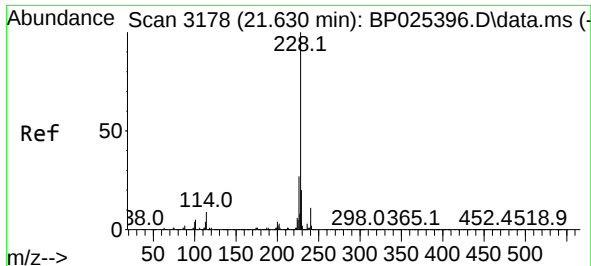
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 10.1 7.4 11.2

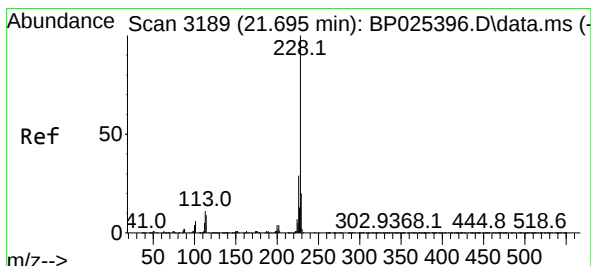
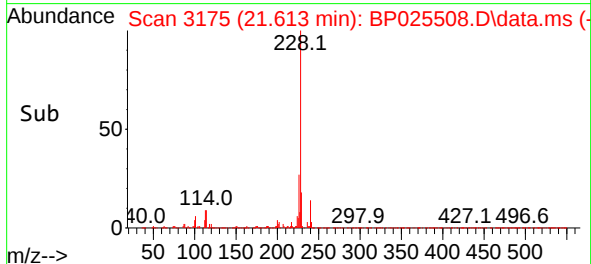
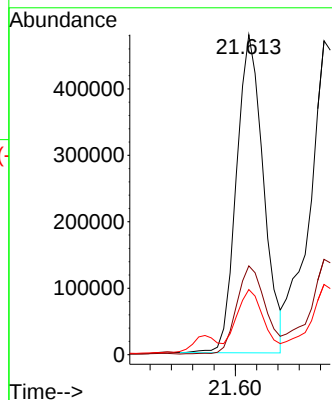
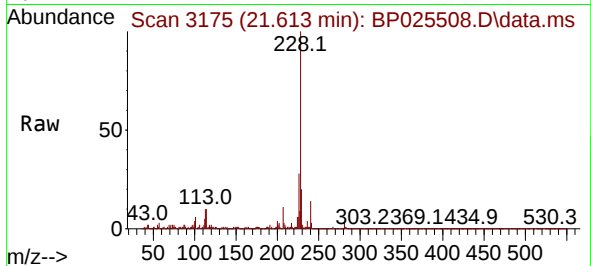




#81
Benzo(a)anthracene
Concen: 15.527 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.018 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

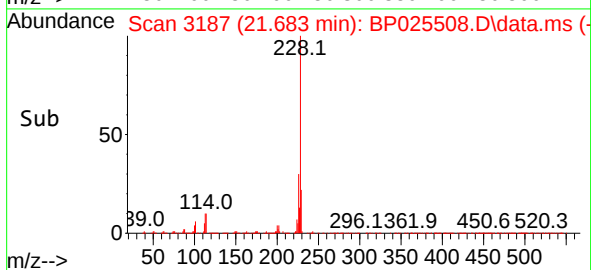
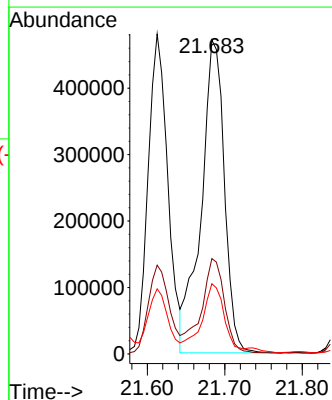
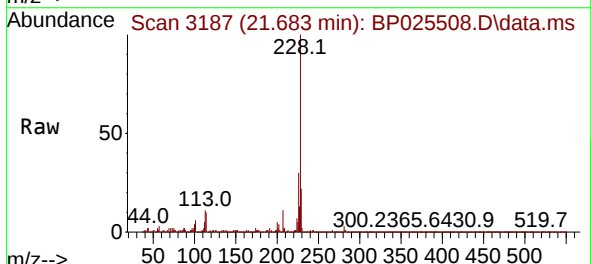
Instrument :
BNA_P
ClientSampleId :
VNJ-232

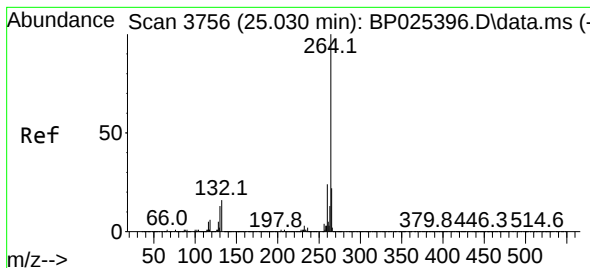
Tgt Ion:228 Resp: 842542
Ion Ratio Lower Upper
228 100
226 27.8 21.7 32.5
229 20.4 15.6 23.4



#83
Chrysene
Concen: 19.323 ng
RT: 21.683 min Scan# 3187
Delta R.T. -0.012 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

Tgt Ion:228 Resp: 981960
Ion Ratio Lower Upper
228 100
226 30.4 23.2 34.8
229 22.4 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.012 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025508.D

Acq: 20 Aug 2025 14:53

Instrument :

BNA_P

ClientSampleId :

VNJ-232

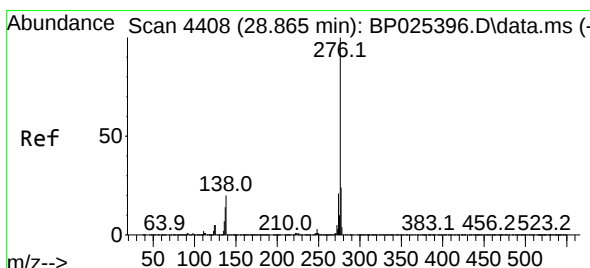
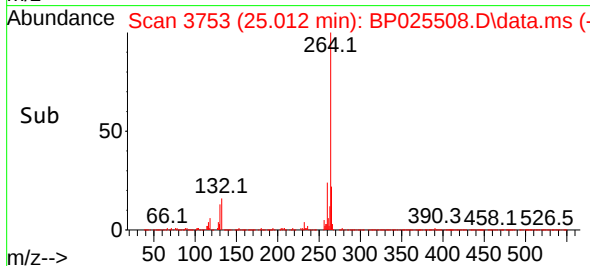
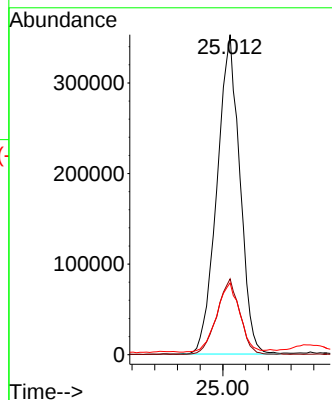
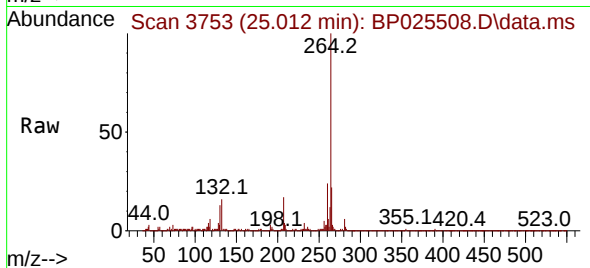
Tgt Ion:264 Resp: 984047

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 22.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.398 ng

RT: 28.824 min Scan# 4401

Delta R.T. -0.041 min

Lab File: BP025508.D

Acq: 20 Aug 2025 14:53

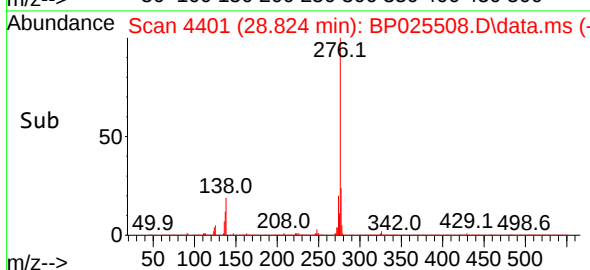
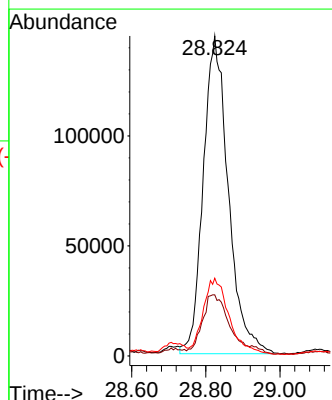
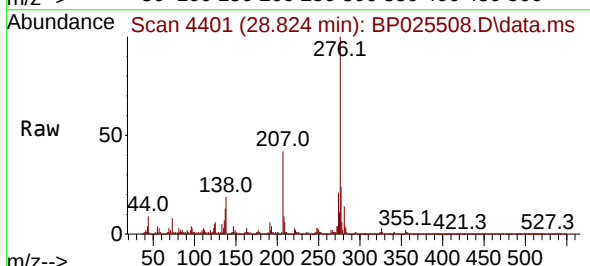
Tgt Ion:276 Resp: 678221

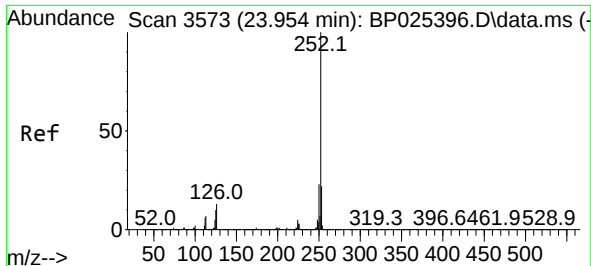
Ion Ratio Lower Upper

276 100

138 17.8 12.9 19.3

277 24.8 17.0 25.6

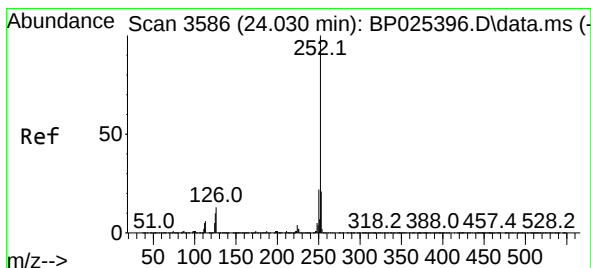
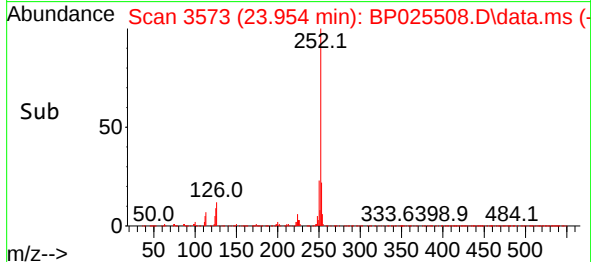
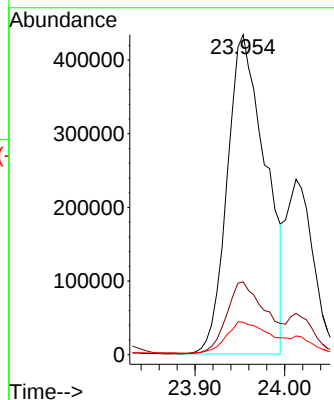
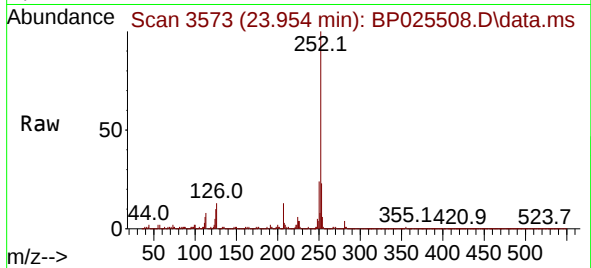




#88
Benzo(b)fluoranthene
Concen: 22.261 ng
RT: 23.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

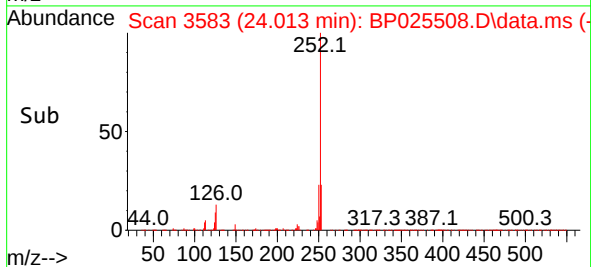
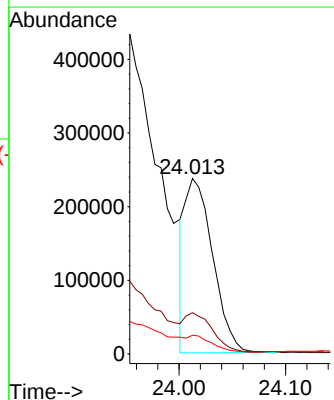
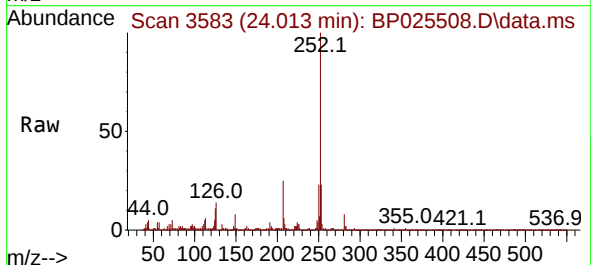
Instrument :
BNA_P
ClientSampleId :
VNJ-232

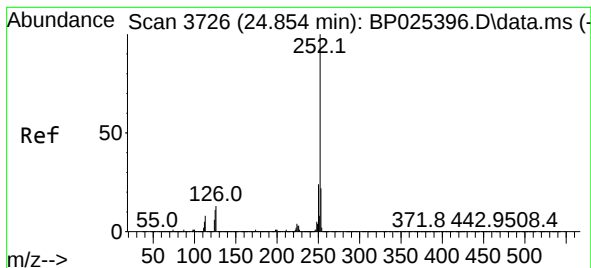
Tgt Ion:252 Resp: 1291725
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 10.2 7.9 11.9



#89
Benzo(k)fluoranthene
Concen: 7.376 ng
RT: 24.013 min Scan# 3583
Delta R.T. -0.018 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

Tgt Ion:252 Resp: 428310
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 10.7 7.8 11.6





#90

Benzo(a)pyrene

Concen: 15.188 ng

RT: 24.854 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP025508.D

Acq: 20 Aug 2025 14:53

Instrument :

BNA_P

ClientSampleId :

VNJ-232

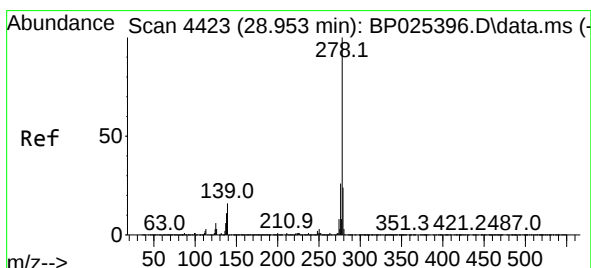
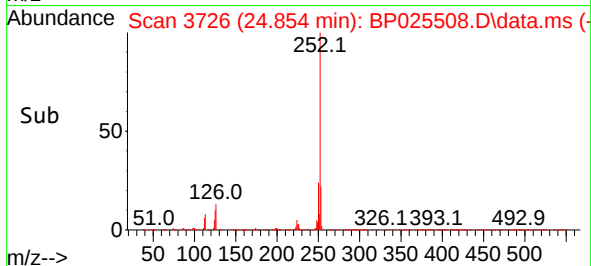
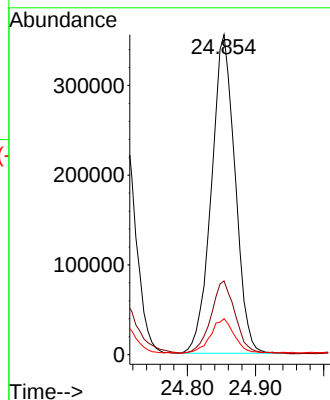
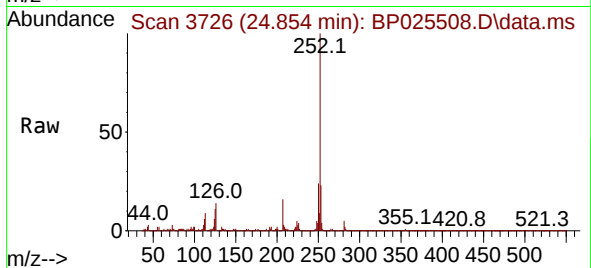
Tgt Ion:252 Resp: 857899

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 11.3 8.7 13.1



#91

Dibenzo(a,h)anthracene

Concen: 2.914 ng

RT: 28.924 min Scan# 4418

Delta R.T. -0.029 min

Lab File: BP025508.D

Acq: 20 Aug 2025 14:53

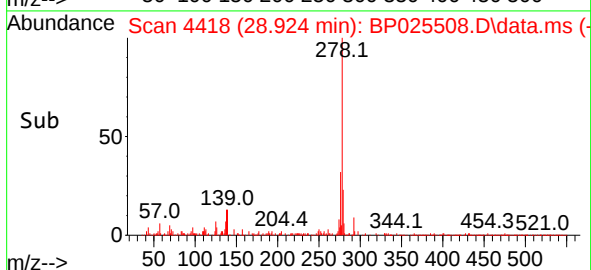
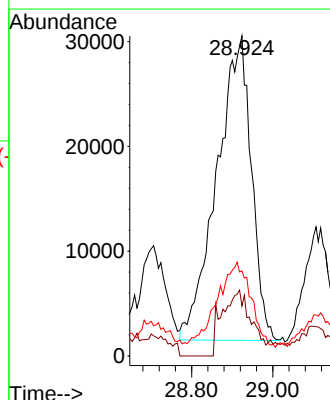
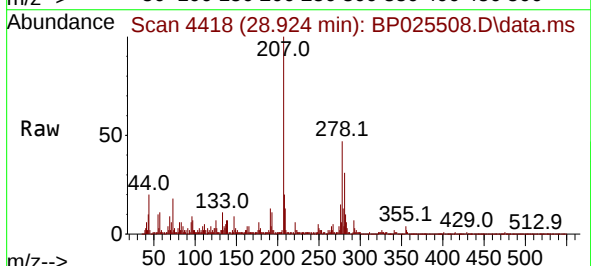
Tgt Ion:278 Resp: 171823

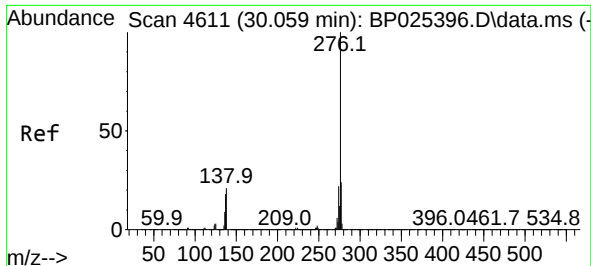
Ion Ratio Lower Upper

278 100

139 15.6 13.0 19.4

279 26.6 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 11.161 ng
RT: 30.012 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP025508.D
Acq: 20 Aug 2025 14:53

Instrument :
BNA_P
ClientSampleId :
VNJ-232

Tgt Ion:276 Resp: 647009
Ion Ratio Lower Upper
276 100
277 23.9 19.4 29.0
138 19.7 16.7 25.1

