

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092225\
 Data File : BP025815.D
 Acq On : 22 Sep 2025 16:27
 Operator : CG/JU
 Sample : Q3133-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-238

Quant Time: Sep 22 16:53:48 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)

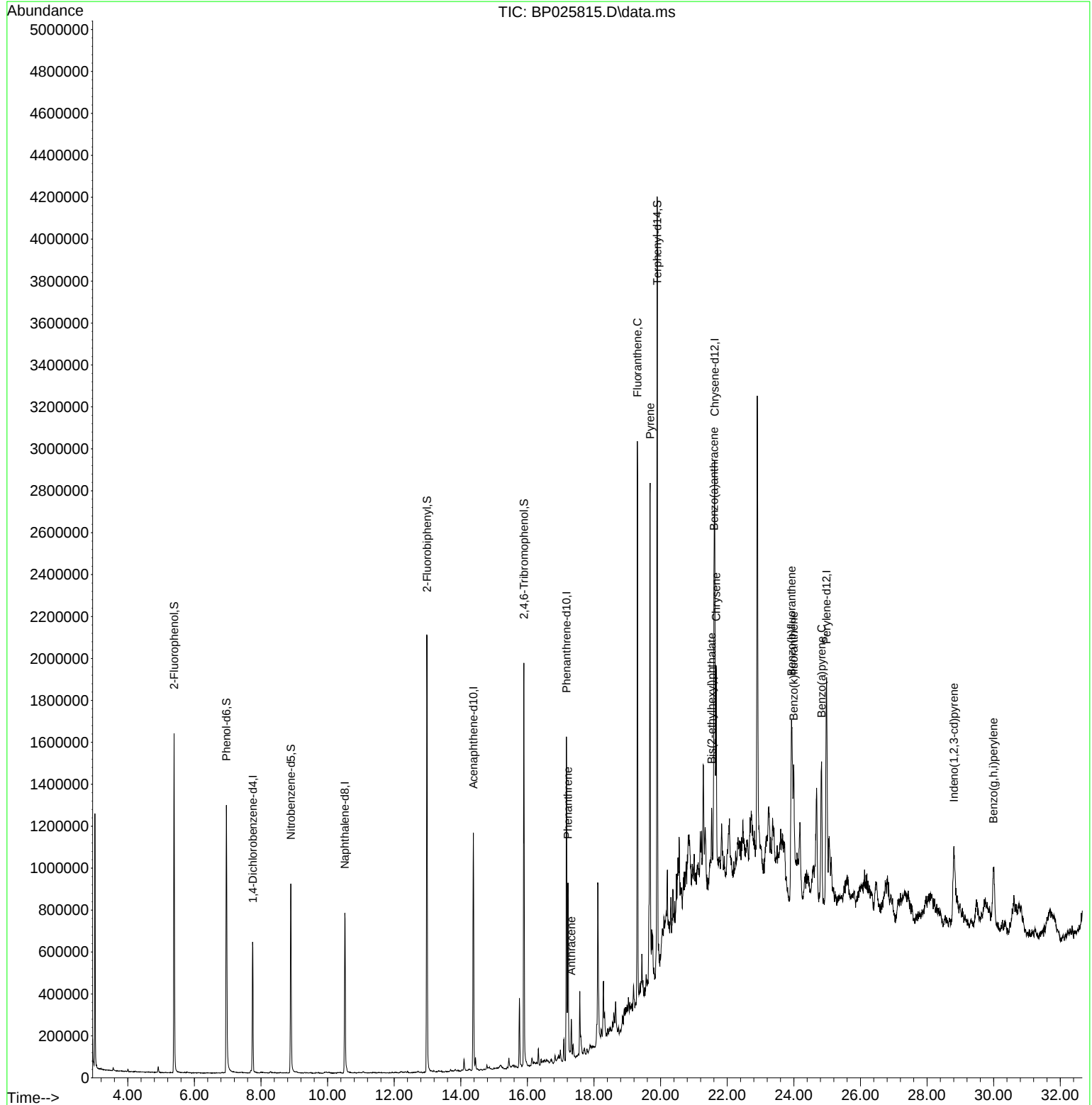
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.755	152	173732	20.000	ng	0.00
21) Naphthalene-d8	10.519	136	666080	20.000	ng	0.00
39) Acenaphthene-d10	14.378	164	433760	20.000	ng	0.00
64) Phenanthrene-d10	17.172	188	896071	20.000	ng	-0.01
76) Chrysene-d12	21.619	240	931321	20.000	ng	-0.02
86) Perylene-d12	24.977	264	1096690	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	697123	64.746	ng	0.00
7) Phenol-d6	6.961	99	878551	61.388	ng	0.01
23) Nitrobenzene-d5	8.896	82	562374	37.243	ng	0.00
42) 2,4,6-Tribromophenol	15.895	330	355587	65.724	ng	-0.01
45) 2-Fluorobiphenyl	12.984	172	1252820	38.458	ng	0.00
79) Terphenyl-d14	19.895	244	1965600	37.969	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.219	178	572714	11.267	ng	99
72) Anthracene	17.319	178	122772	2.381	ng	99
75) Fluoranthene	19.301	202	1617961	26.541	ng	99
78) Pyrene	19.683	202	1415641	22.781	ng	99
81) Benzo(a)anthracene	21.601	228	682003	10.696	ng	99
83) Chrysene	21.666	228	731977	12.043	ng	99
84) Bis(2-ethylhexyl)phtha...	21.530	149	108450	2.721	ng	99
87) Indeno(1,2,3-cd)pyrene	28.806	276	531059	6.659	ng	# 84
88) Benzo(b)fluoranthene	23.930	252	982424	14.649	ng	# 98
89) Benzo(k)fluoranthene	23.995	252	399711m	5.841	ng	
90) Benzo(a)pyrene	24.830	252	711045	10.826	ng	# 95
92) Benzo(g,h,i)perylene	29.989	276	515095	8.025	ng	97

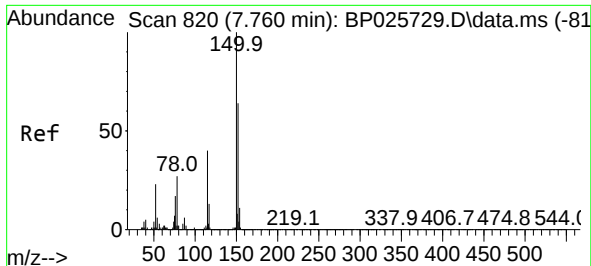
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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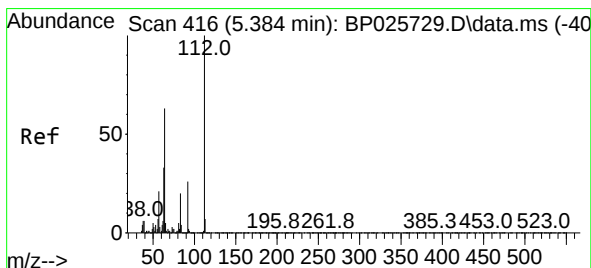
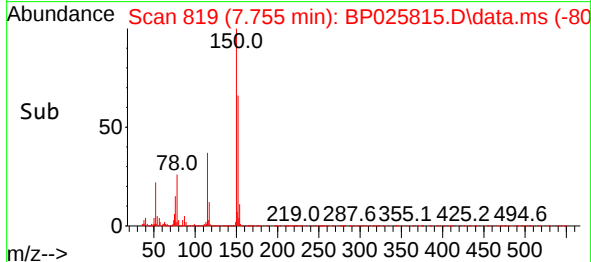
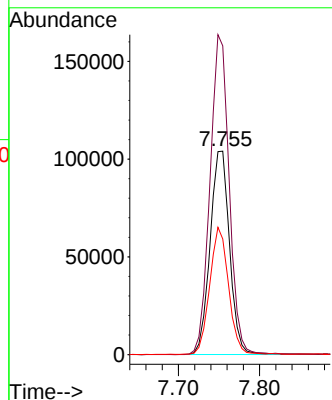
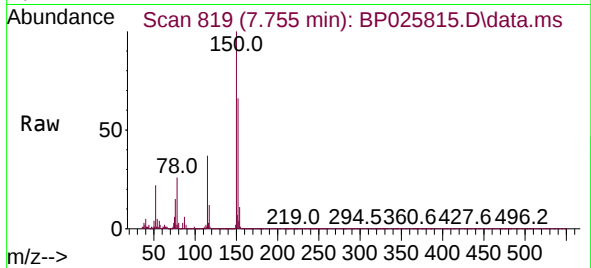




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.755 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BP025815.D
 Acq: 22 Sep 2025 16:27

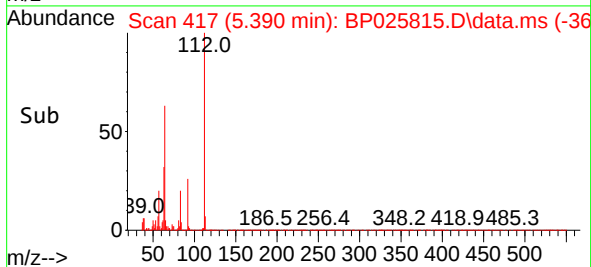
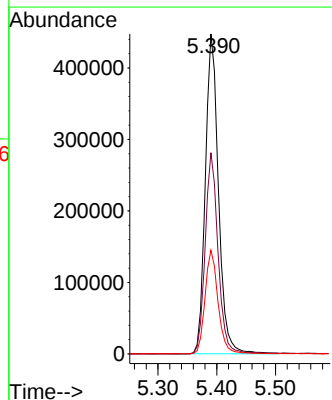
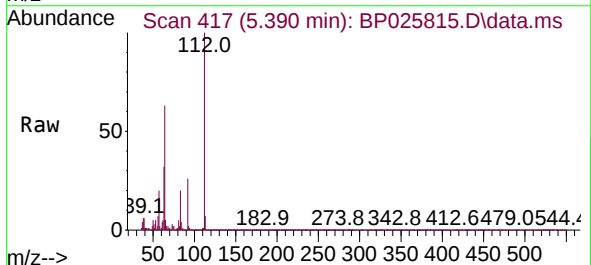
Instrument :
 BNA_P
 ClientSampleId :
 VNJ-238

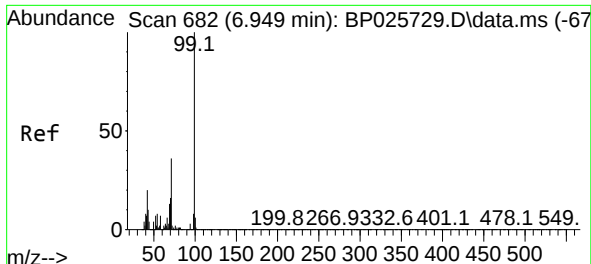
Tgt Ion:152 Resp: 173732
 Ion Ratio Lower Upper
 152 100
 150 151.8 124.3 186.5
 115 56.8 50.3 75.5



#5
 2-Fluorophenol
 Concen: 64.746 ng
 RT: 5.390 min Scan# 417
 Delta R.T. 0.006 min
 Lab File: BP025815.D
 Acq: 22 Sep 2025 16:27

Tgt Ion:112 Resp: 697123
 Ion Ratio Lower Upper
 112 100
 64 62.9 50.2 75.4
 63 32.4 26.7 40.1

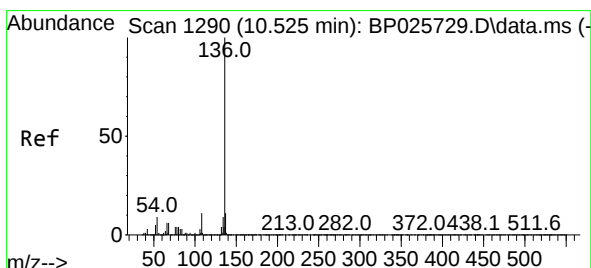
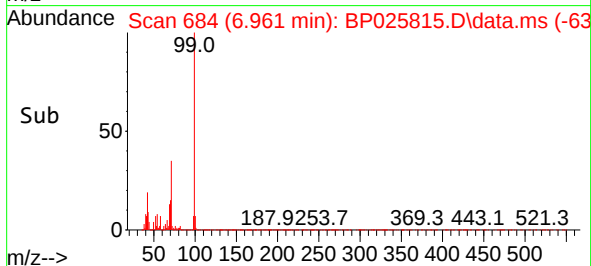
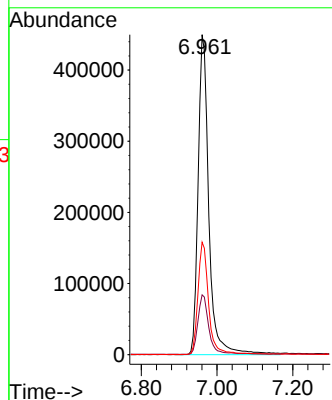
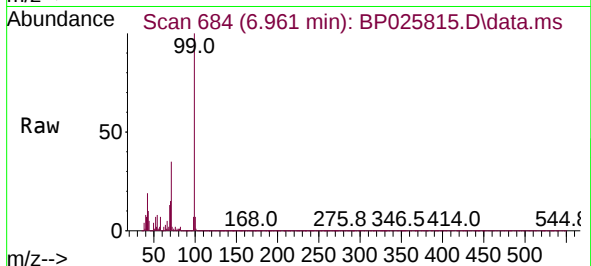




#7
Phenol-d6
Concen: 61.388 ng
RT: 6.961 min Scan# 682
Delta R.T. 0.012 min
Lab File: BP025815.D
Acq: 22 Sep 2025 16:27

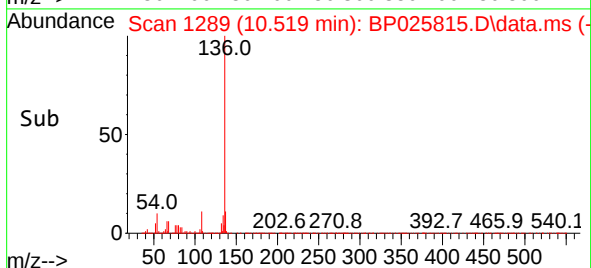
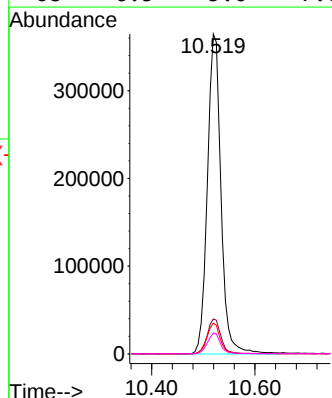
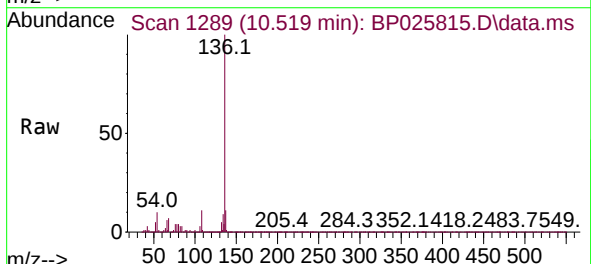
Instrument :
BNA_P
ClientSampleId :
VNJ-238

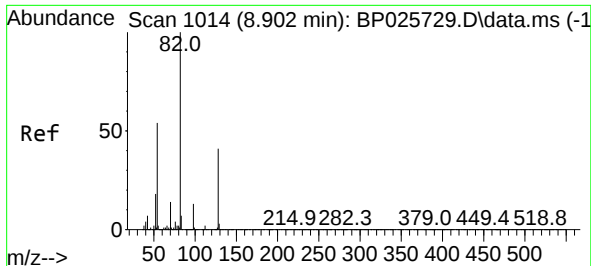
Tgt Ion: 99 Resp: 878551
Ion Ratio Lower Upper
99 100
42 18.7 15.6 23.4
71 35.1 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025815.D
Acq: 22 Sep 2025 16:27

Tgt Ion:136 Resp: 666080
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.6 7.5 11.3
68 6.5 5.0 7.6

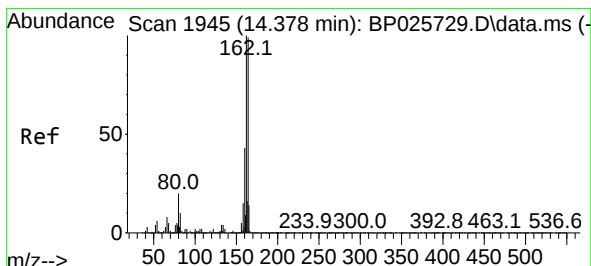
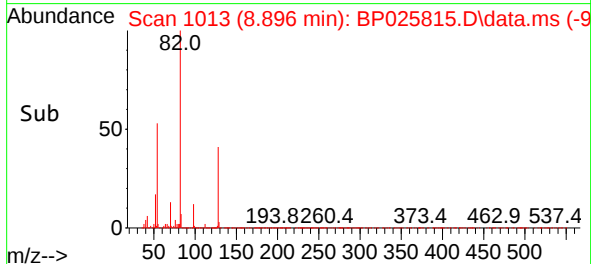
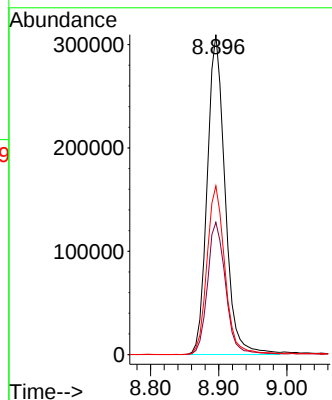
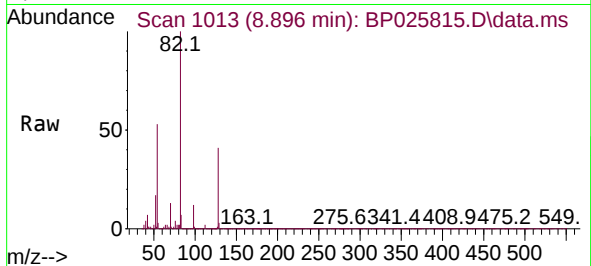




#23
Nitrobenzene-d5
Concen: 37.243 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025815.D
Acq: 22 Sep 2025 16:27

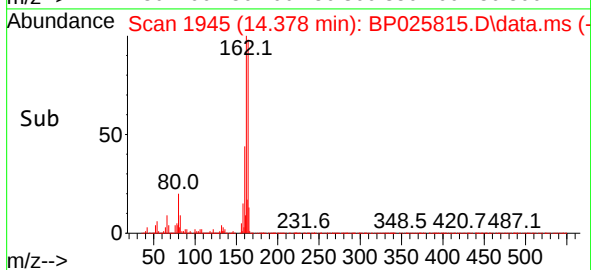
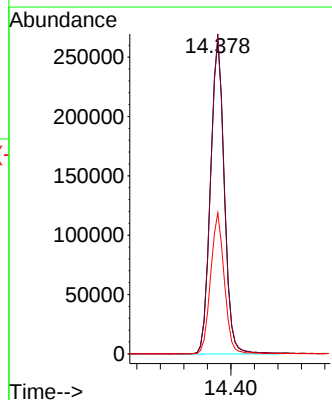
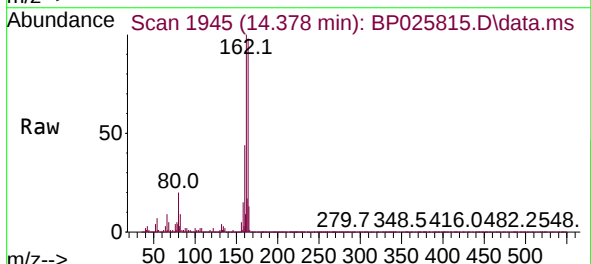
Instrument :
BNA_P
ClientSampleId :
VNJ-238

Tgt Ion: 82 Resp: 562374
Ion Ratio Lower Upper
82 100
128 41.3 32.9 49.3
54 52.7 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.378 min Scan# 1945
Delta R.T. 0.000 min
Lab File: BP025815.D
Acq: 22 Sep 2025 16:27

Tgt Ion: 164 Resp: 433760
Ion Ratio Lower Upper
164 100
162 102.3 80.6 120.8
160 45.1 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 65.724 ng

RT: 15.895 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

Instrument :

BNA_P

ClientSampleId :

VNJ-238

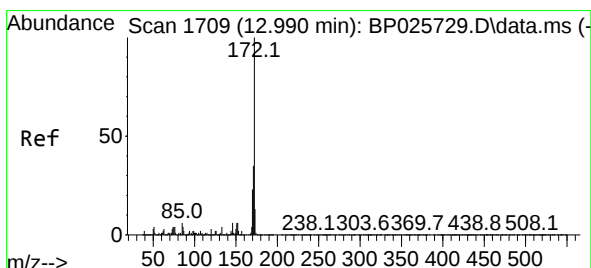
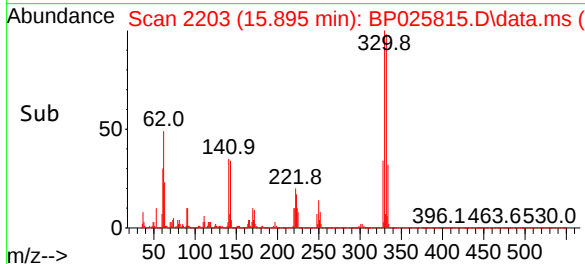
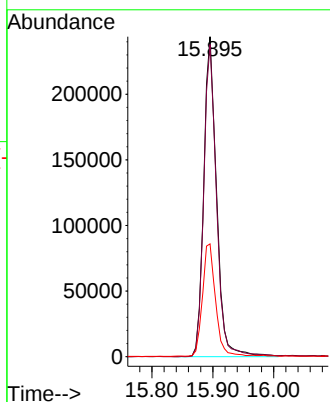
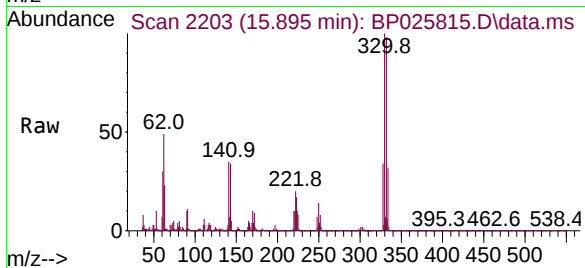
Tgt Ion:330 Resp: 355587

Ion Ratio Lower Upper

330 100

332 97.1 76.9 115.3

141 36.3 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 38.458 ng

RT: 12.984 min Scan# 1708

Delta R.T. -0.006 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

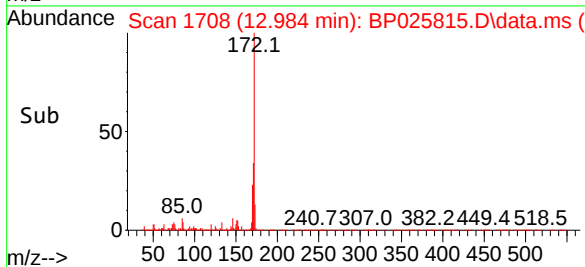
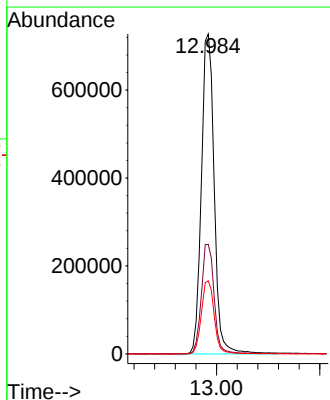
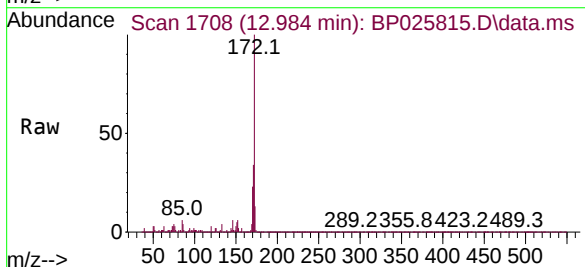
Tgt Ion:172 Resp: 1252820

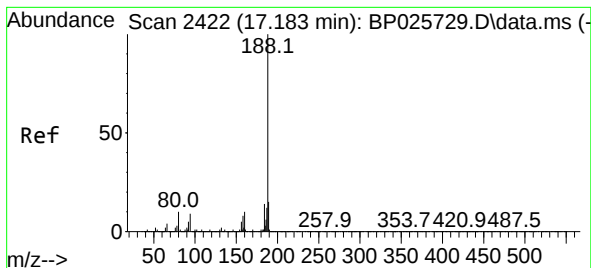
Ion Ratio Lower Upper

172 100

171 34.3 27.8 41.6

170 22.8 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.172 min Scan# 2420

Delta R.T. -0.012 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

Instrument :

BNA_P

ClientSampleId :

VNJ-238

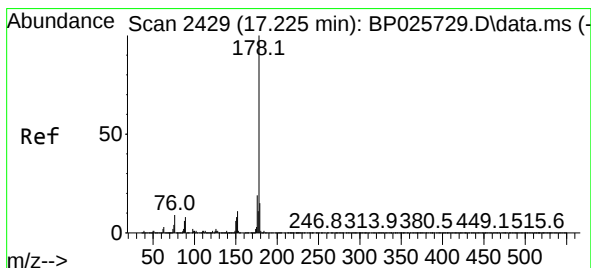
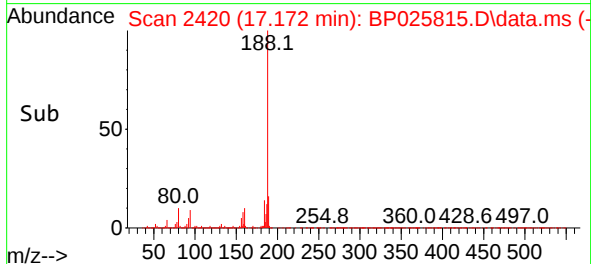
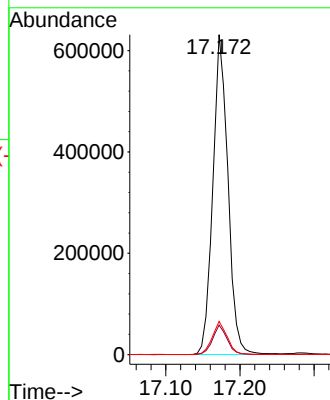
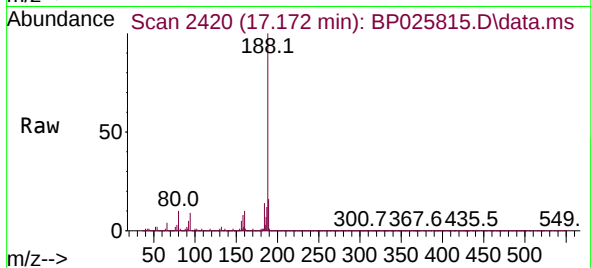
Tgt Ion:188 Resp: 896071

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.0

80 10.4 7.7 11.5



#71

Phenanthrene

Concen: 11.267 ng

RT: 17.219 min Scan# 2428

Delta R.T. -0.006 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

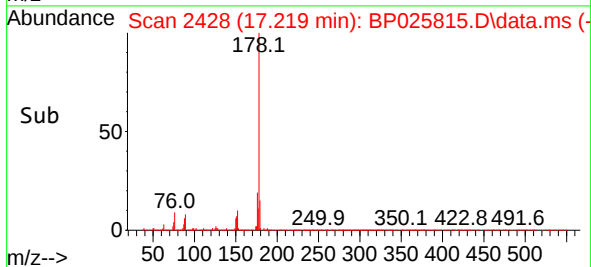
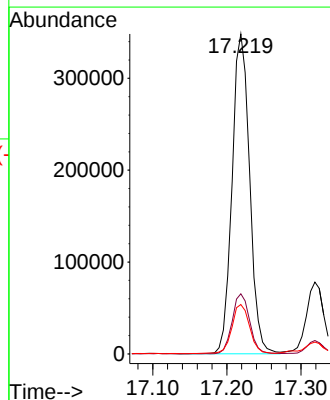
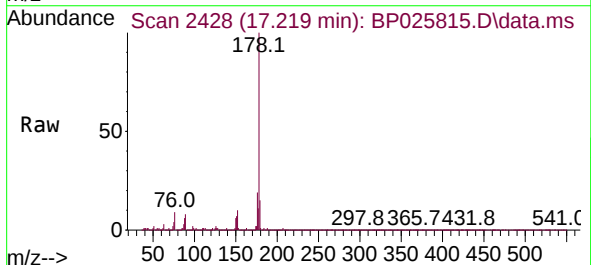
Tgt Ion:178 Resp: 572714

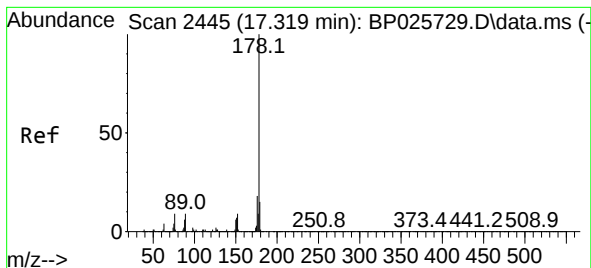
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.4 12.2 18.4





#72

Anthracene

Concen: 2.381 ng

RT: 17.319 min Scan# 2445

Delta R.T. 0.000 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

Instrument :

BNA_P

ClientSampleId :

VNJ-238

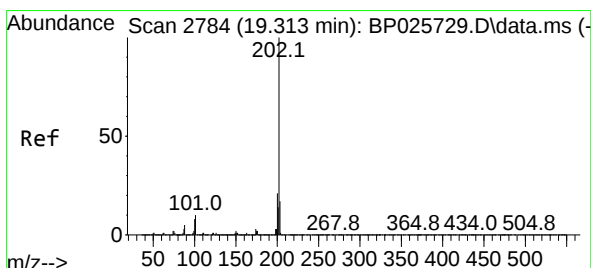
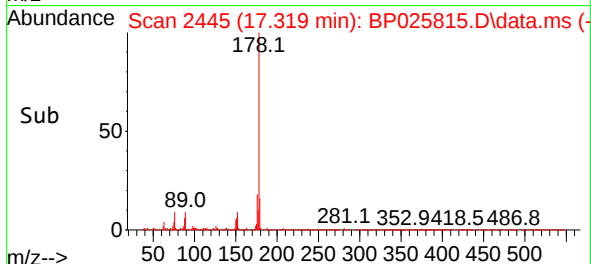
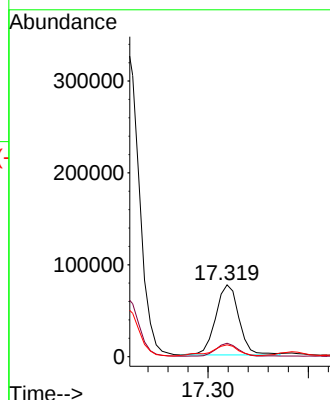
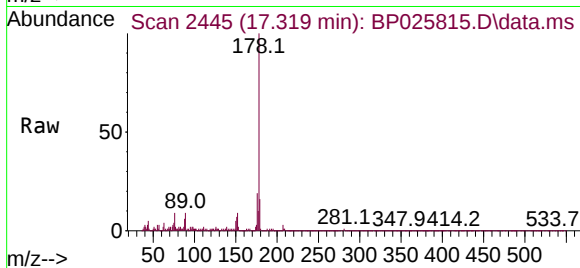
Tgt Ion:178 Resp: 122772

Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

179 16.3 12.2 18.4



#75

Fluoranthene

Concen: 26.541 ng

RT: 19.301 min Scan# 2782

Delta R.T. -0.012 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

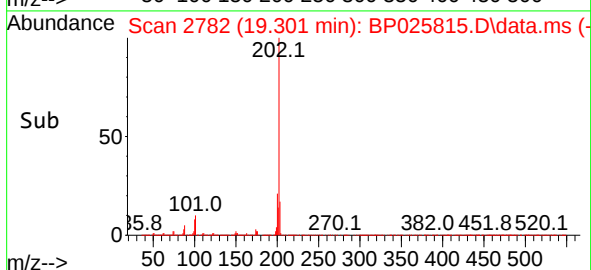
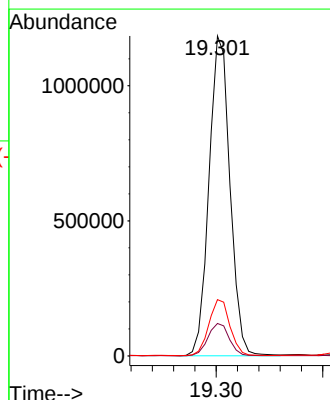
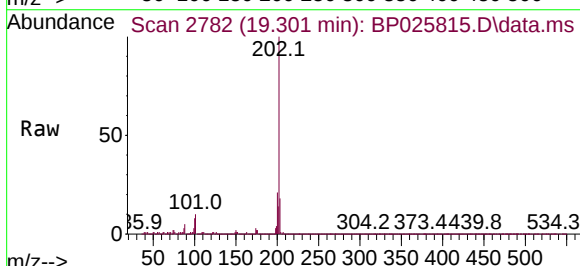
Tgt Ion:202 Resp: 1617961

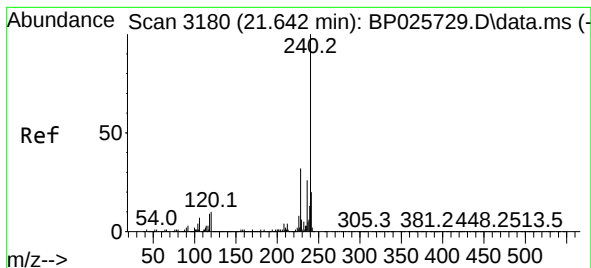
Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.4

203 17.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.619 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

Instrument :

BNA_P

ClientSampleId :

VNJ-238

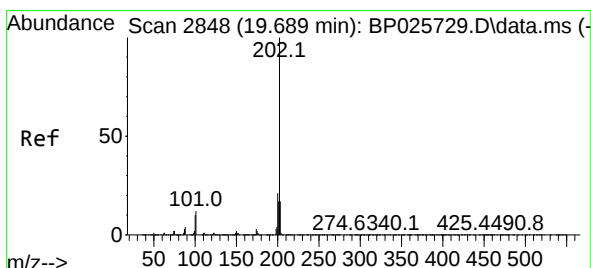
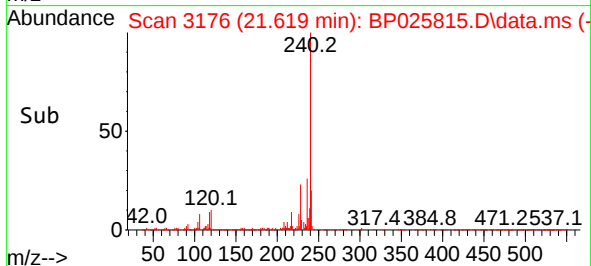
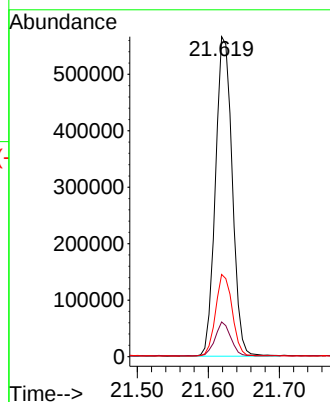
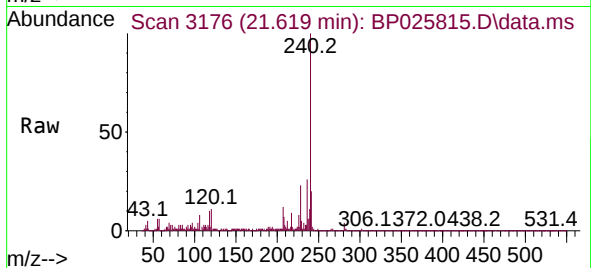
Tgt Ion:240 Resp: 931321

Ion Ratio Lower Upper

240 100

120 10.8 8.0 12.0

236 25.7 20.7 31.1



#78

Pyrene

Concen: 22.781 ng

RT: 19.683 min Scan# 2847

Delta R.T. -0.006 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

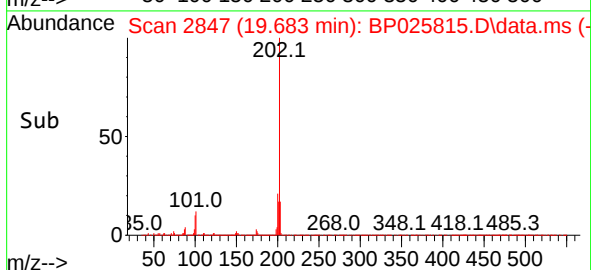
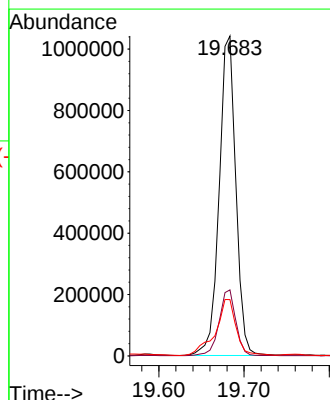
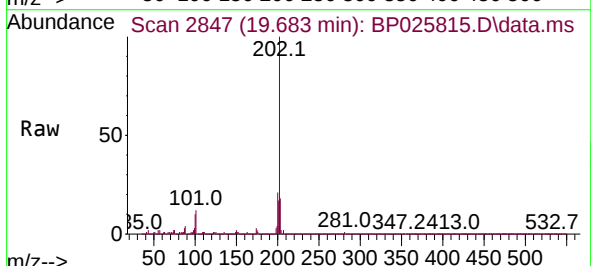
Tgt Ion:202 Resp: 1415641

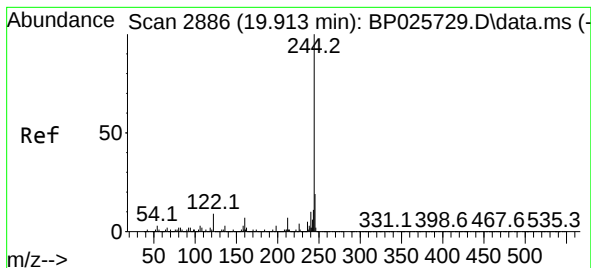
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 17.6 13.9 20.9





#79

Terphenyl-d14

Concen: 37.969 ng

RT: 19.895 min Scan# 2883

Delta R.T. -0.018 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

Instrument :

BNA_P

ClientSampleId :

VNJ-238

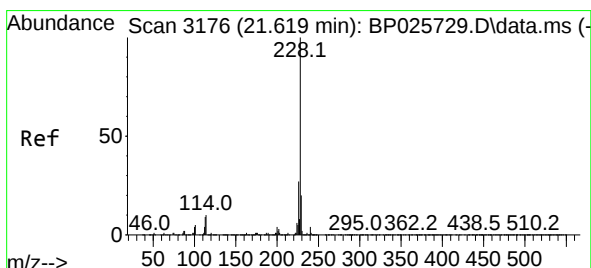
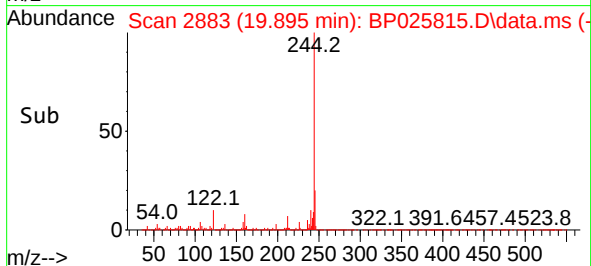
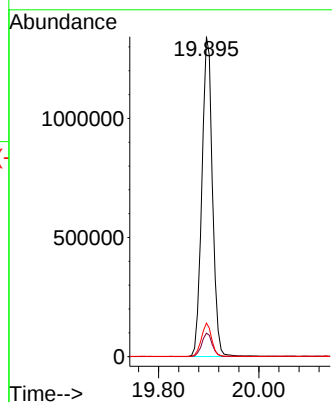
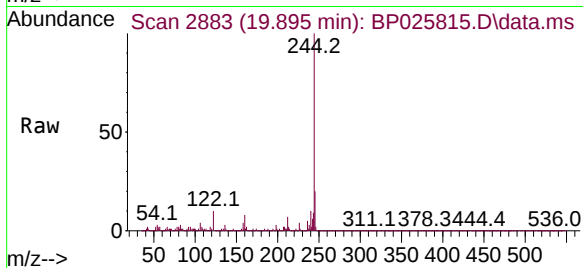
Tgt Ion:244 Resp: 1965600

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 10.5 7.1 10.7



#81

Benzo(a)anthracene

Concen: 10.696 ng

RT: 21.601 min Scan# 3173

Delta R.T. -0.018 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

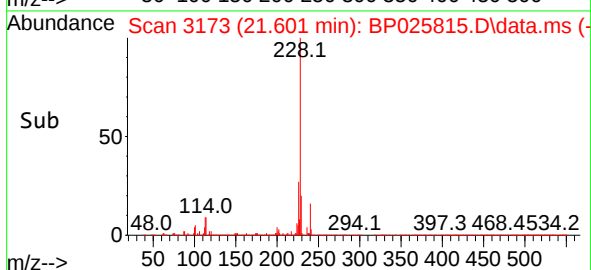
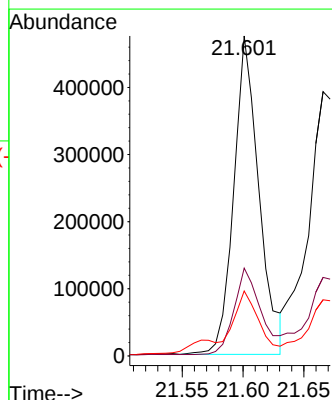
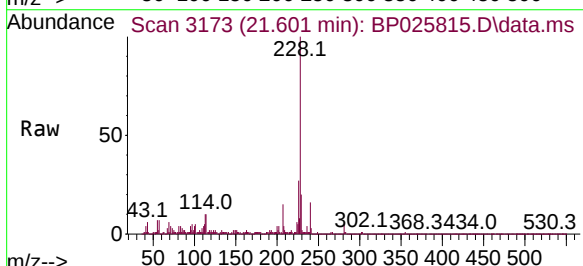
Tgt Ion:228 Resp: 682003

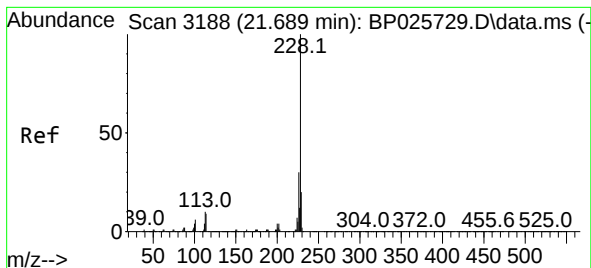
Ion Ratio Lower Upper

228 100

226 27.4 21.6 32.4

229 20.3 15.7 23.5





#83

Chrysene

Concen: 12.043 ng

RT: 21.666 min Scan# 3184

Delta R.T. -0.023 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

Instrument :

BNA_P

ClientSampleId :

VNJ-238

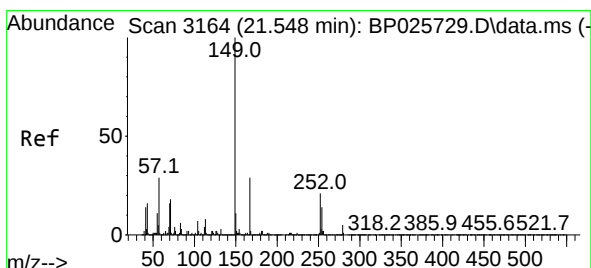
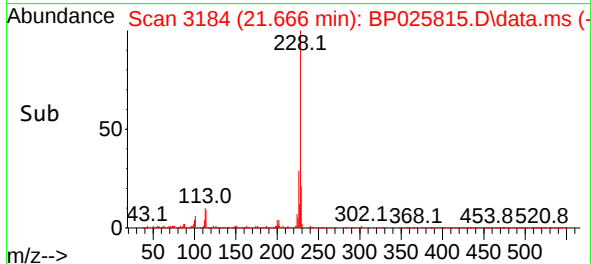
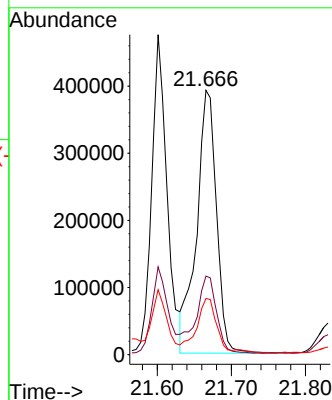
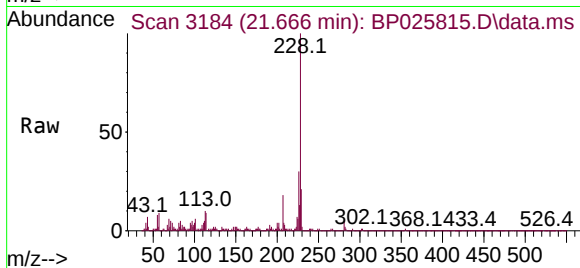
Tgt Ion:228 Resp: 731977

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 21.2 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.721 ng

RT: 21.530 min Scan# 3161

Delta R.T. -0.018 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

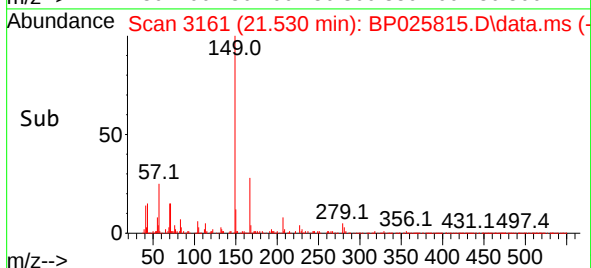
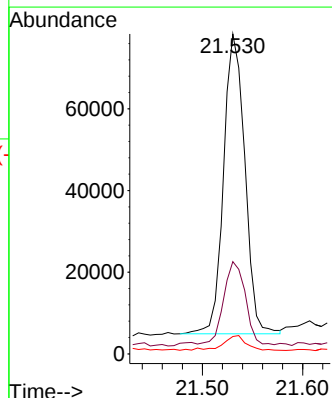
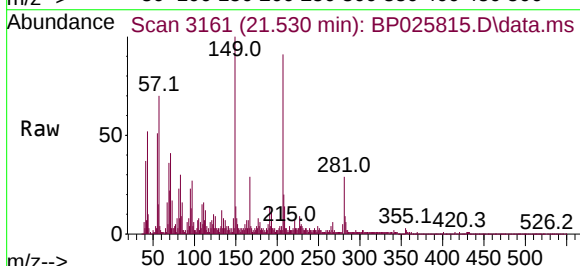
Tgt Ion:149 Resp: 108450

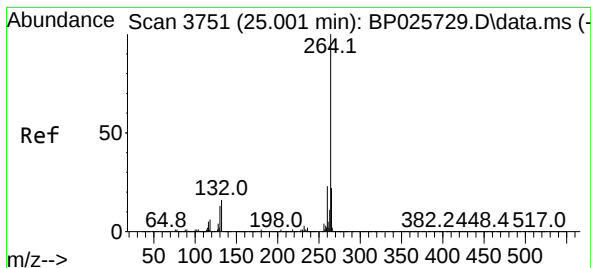
Ion Ratio Lower Upper

149 100

167 28.8 22.9 34.3

279 5.4 3.8 5.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.977 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

Instrument :

BNA_P

ClientSampleId :

VNJ-238

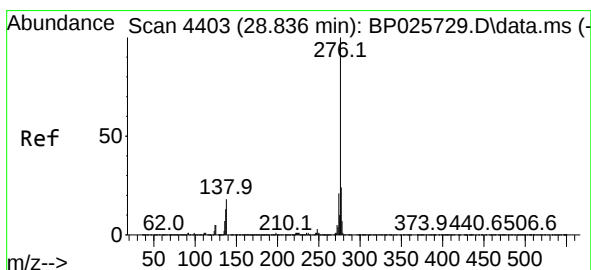
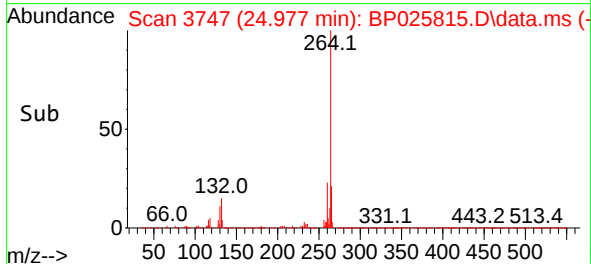
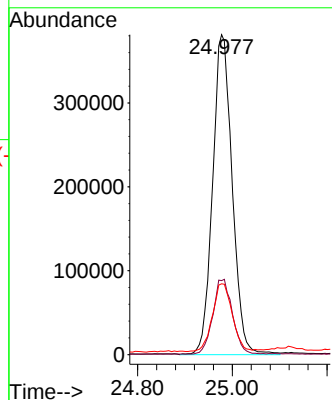
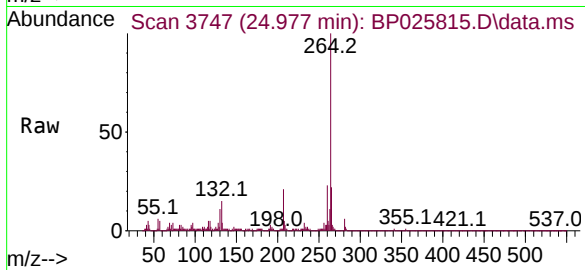
Tgt Ion:264 Resp: 1096690

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 22.1 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.659 ng

RT: 28.806 min Scan# 4398

Delta R.T. -0.029 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

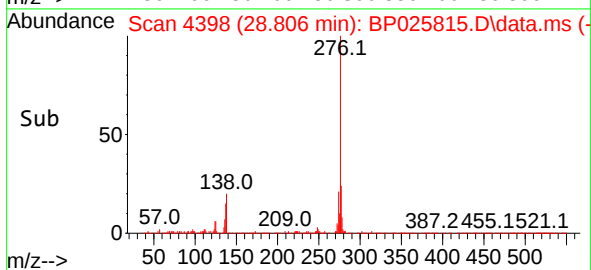
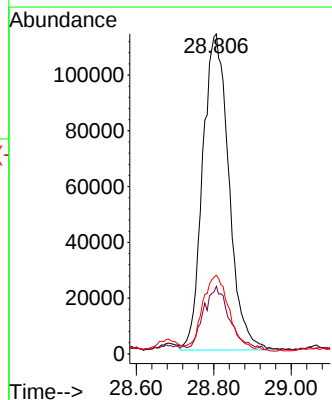
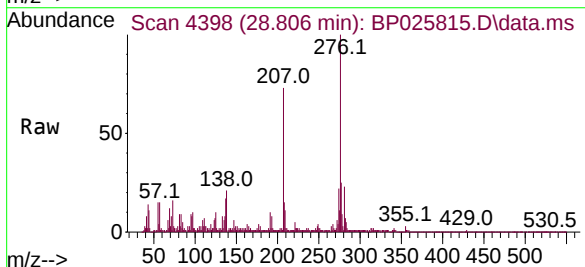
Tgt Ion:276 Resp: 531059

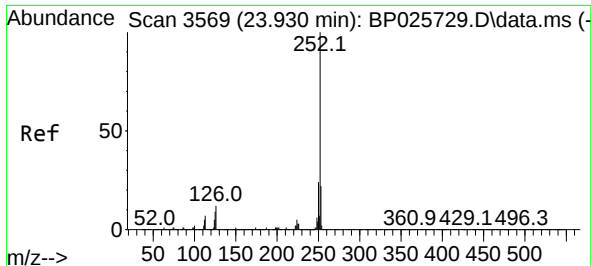
Ion Ratio Lower Upper

276 100

138 19.5 13.4 20.2

277 22.9 9.1 13.7#

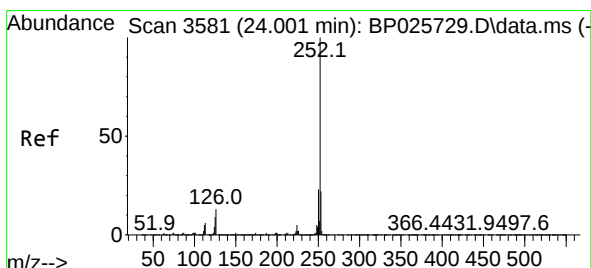
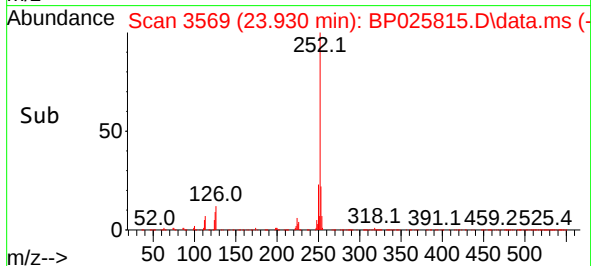
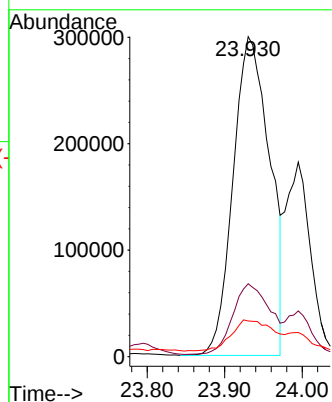
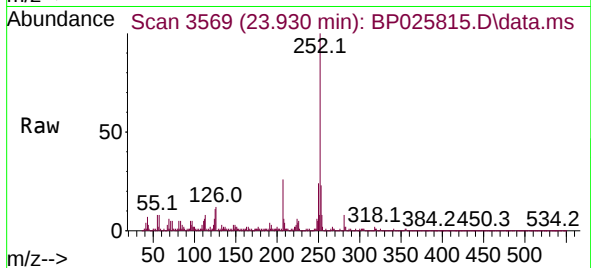




#88
Benzo(b)fluoranthene
Concen: 14.649 ng
RT: 23.930 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP025815.D
Acq: 22 Sep 2025 16:27

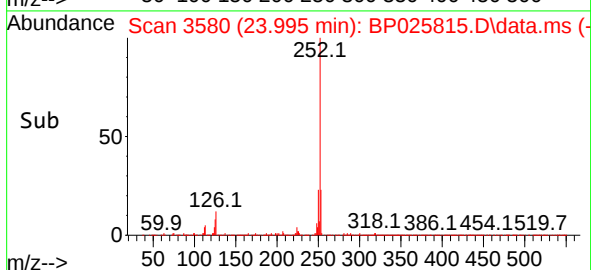
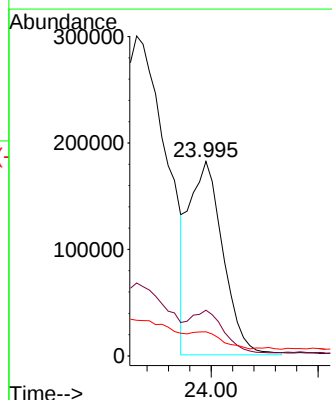
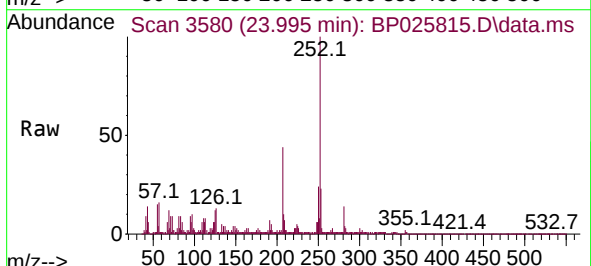
Instrument :
BNA_P
ClientSampleId :
VNJ-238

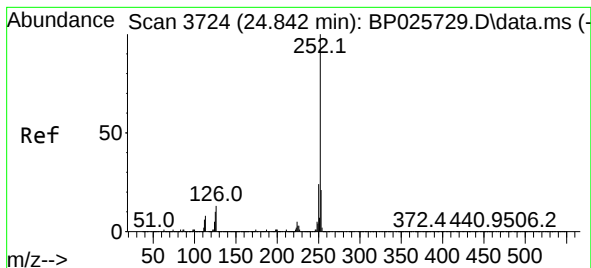
Tgt Ion:252 Resp: 982424
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 11.1 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 5.841 ng m
RT: 23.995 min Scan# 3580
Delta R.T. -0.006 min
Lab File: BP025815.D
Acq: 22 Sep 2025 16:27

Tgt Ion:252 Resp: 399711
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 12.4 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 10.826 ng

RT: 24.830 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

Instrument :

BNA_P

ClientSampleId :

VNJ-238

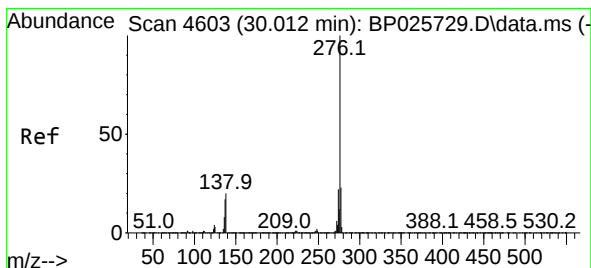
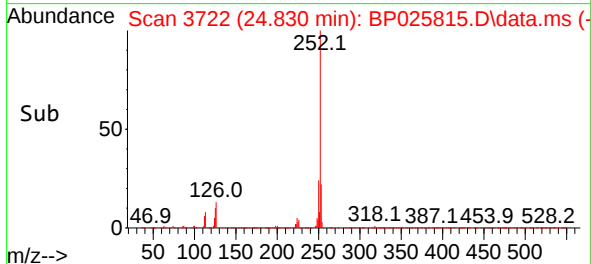
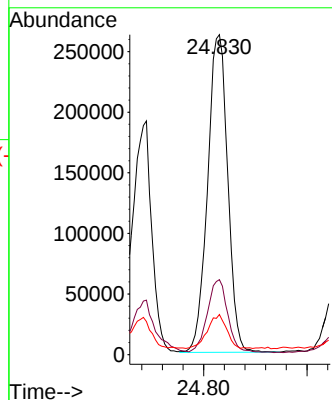
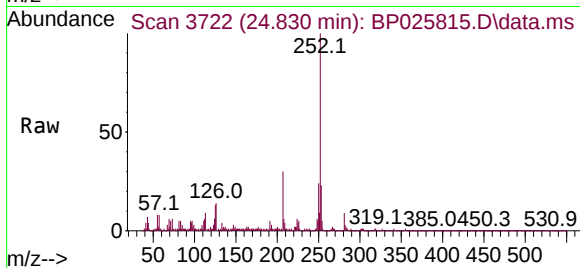
Tgt Ion:252 Resp: 711045

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

125 12.5 8.3 12.5#



#92

Benzo(g,h,i)perylene

Concen: 8.025 ng

RT: 29.989 min Scan# 4599

Delta R.T. -0.023 min

Lab File: BP025815.D

Acq: 22 Sep 2025 16:27

Tgt Ion:276 Resp: 515095

Ion Ratio Lower Upper

276 100

277 24.4 18.7 28.1

138 21.8 16.0 24.0

