

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071525\
 Data File : BP025146.D
 Acq On : 15 Jul 2025 15:17
 Operator : CG/JU
 Sample : Q2550-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-203

Quant Time: Jul 15 15:39:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

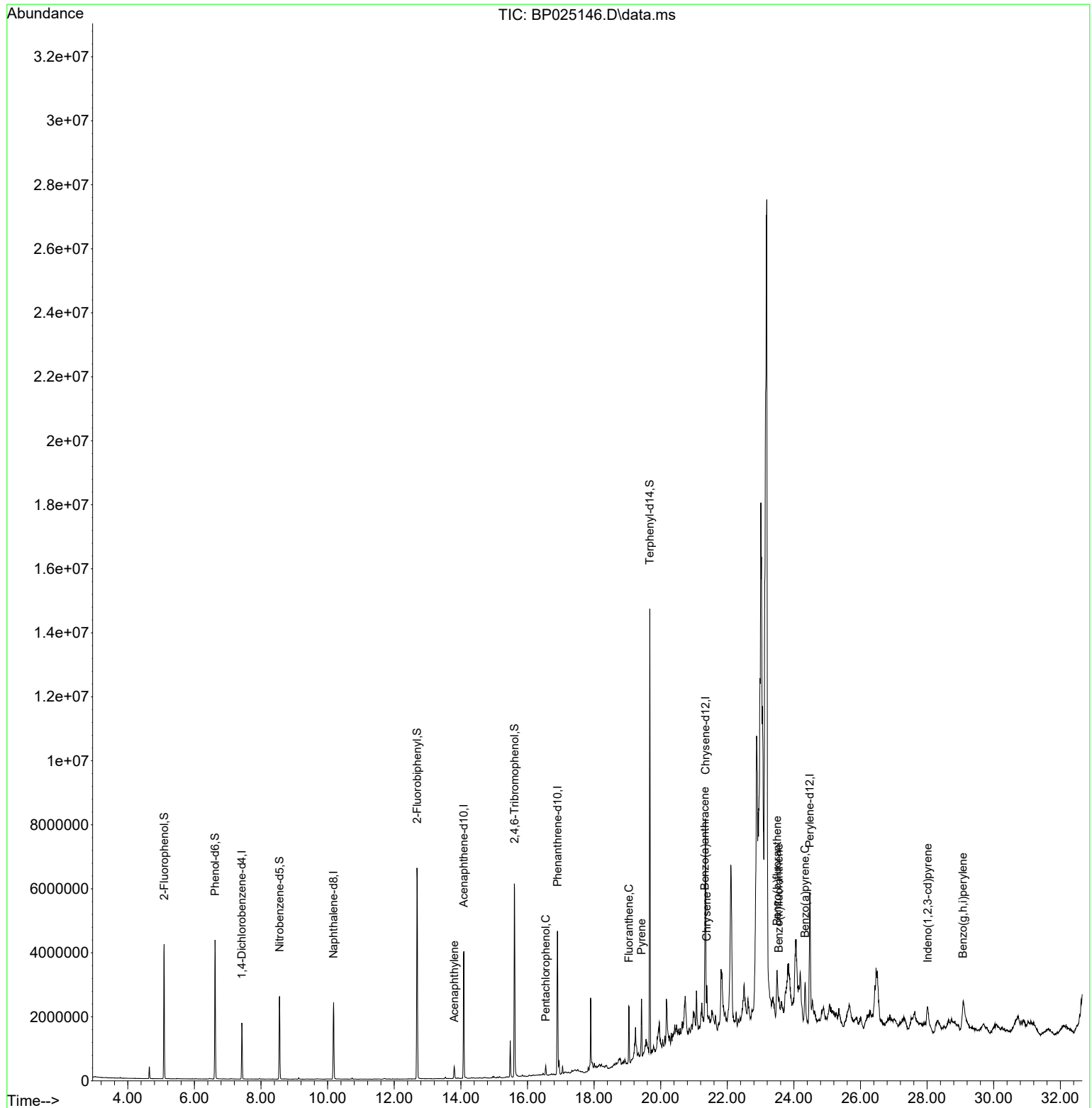
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.425	152	478903	20.000	ng	-0.02
21) Naphthalene-d8	10.178	136	2094453	20.000	ng	0.00
39) Acenaphthene-d10	14.089	164	1474534	20.000	ng	0.00
64) Phenanthrene-d10	16.901	188	3209872	20.000	ng	0.00
76) Chrysene-d12	21.342	240	3294790	20.000	ng	0.00
86) Perylene-d12	24.477	264	3892731	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.090	112	1869841	69.181	ng	0.00
7) Phenol-d6	6.619	99	2492785	70.674	ng	-0.01
23) Nitrobenzene-d5	8.554	82	1417108	44.997	ng	-0.01
42) 2,4,6-Tribromophenol	15.613	330	1432820	82.255	ng	0.00
45) 2-Fluorobiphenyl	12.684	172	3970829	41.718	ng	-0.01
79) Terphenyl-d14	19.672	244	6819023	45.486	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	13.801	152	343872	2.786	ng	98
70) Pentachlorophenol	16.548	266	62258	2.295	ng	97
75) Fluoranthene	19.048	202	1201669	5.994	ng	100
78) Pyrene	19.424	202	1163801	5.703	ng	99
81) Benzo(a)anthracene	21.324	228	811945m	4.066	ng	
83) Chrysene	21.383	228	895947	4.663	ng	97
87) Indeno(1,2,3-cd)pyrene	28.012	276	1099441	4.433	ng	# 88
88) Benzo(b)fluoranthene	23.495	252	1672187	7.380	ng	97
89) Benzo(k)fluoranthene	23.548	252	561309m	2.490	ng	
90) Benzo(a)pyrene	24.336	252	1119307	5.804	ng	97
92) Benzo(g,h,i)perylene	29.077	276	1124794	5.312	ng	98

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

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Response via : Initial Calibration

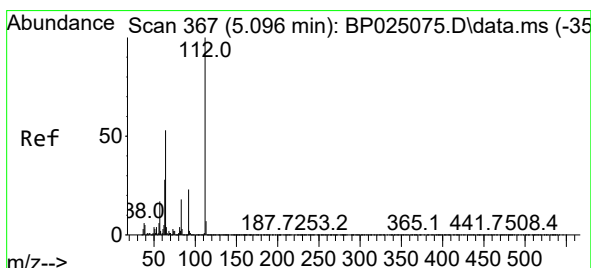
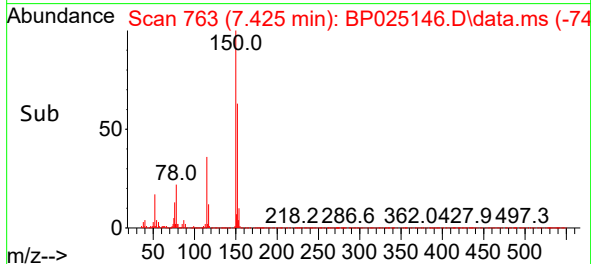
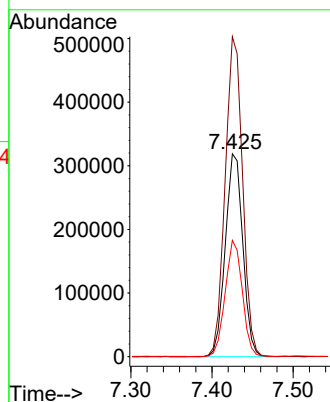
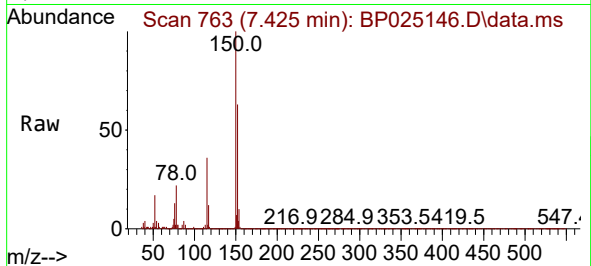




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.425 min Scan# 7
Delta R.T. -0.018 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

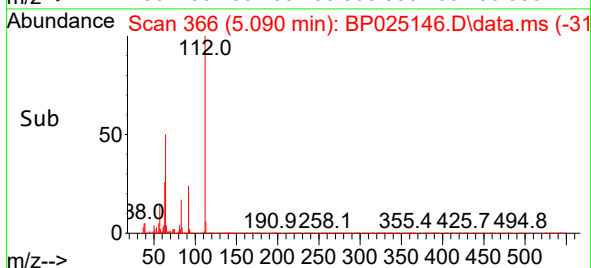
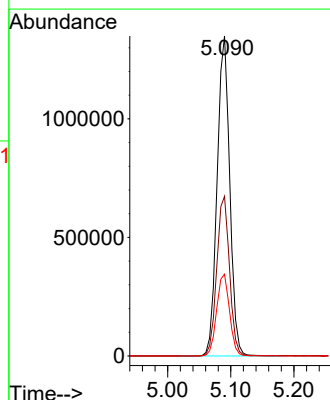
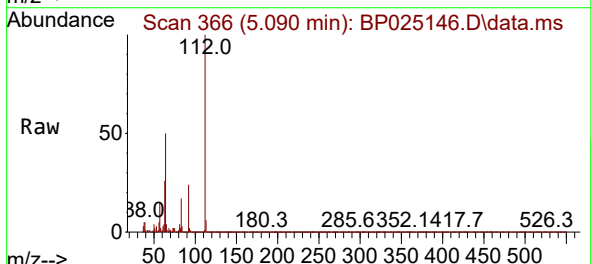
Instrument :
BNA_P
ClientSampleId :
VNJ-203

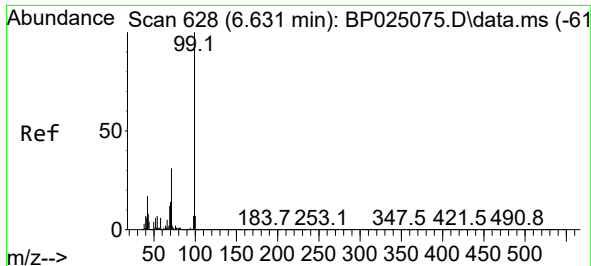
Tgt Ion:152 Resp: 478903
Ion Ratio Lower Upper
152 100
150 157.8 126.1 189.1
115 57.4 44.3 66.5



#5
2-Fluorophenol
Concen: 69.181 ng
RT: 5.090 min Scan# 366
Delta R.T. -0.006 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

Tgt Ion:112 Resp: 1869841
Ion Ratio Lower Upper
112 100
64 49.9 42.0 63.0
63 25.5 22.2 33.2

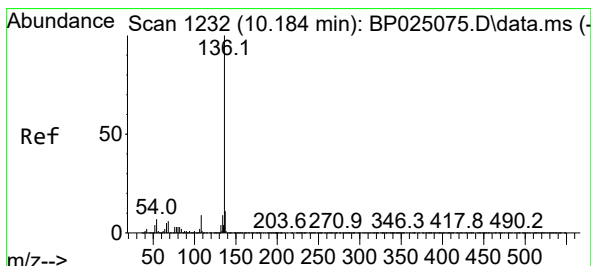
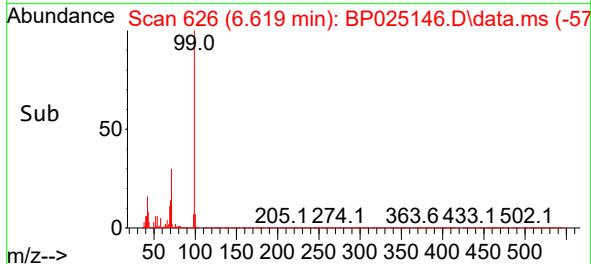
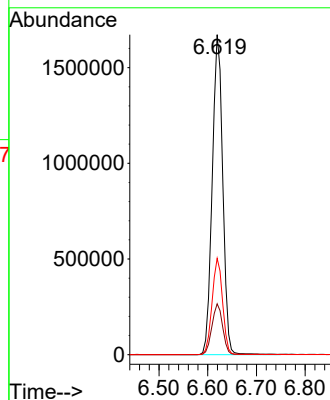
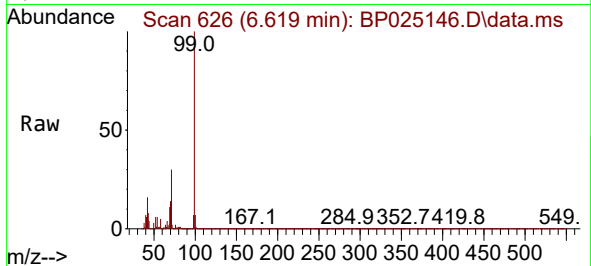




#7
Phenol-d6
Concen: 70.674 ng
RT: 6.619 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

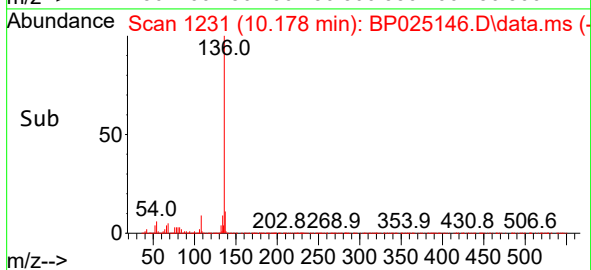
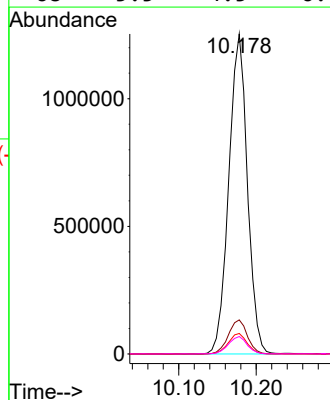
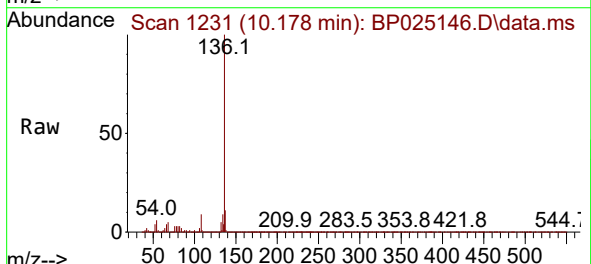
Instrument :
BNA_P
ClientSampleId :
VNJ-203

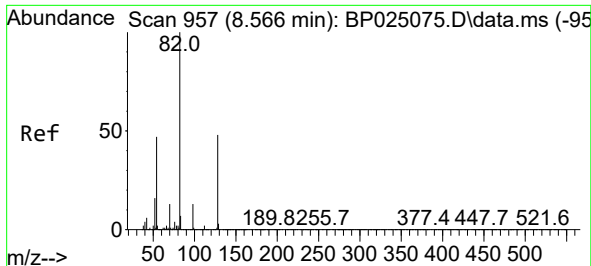
Tgt Ion: 99 Resp: 2492785
Ion Ratio Lower Upper
99 100
42 15.9 13.6 20.4
71 30.1 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.178 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

Tgt Ion:136 Resp: 2094453
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 6.4 5.4 8.2
68 5.5 4.5 6.7

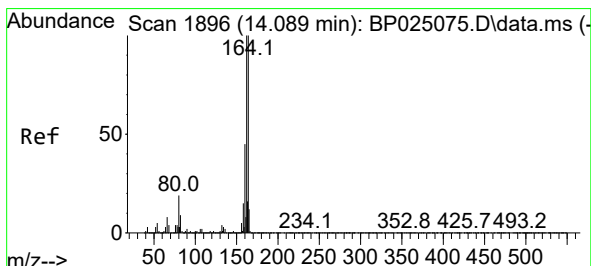
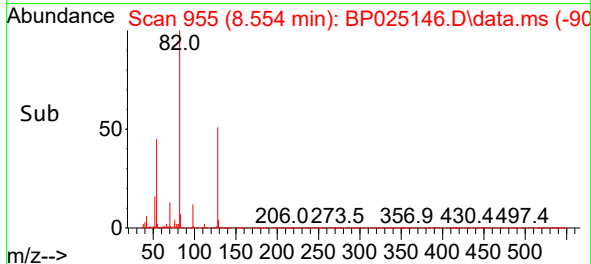
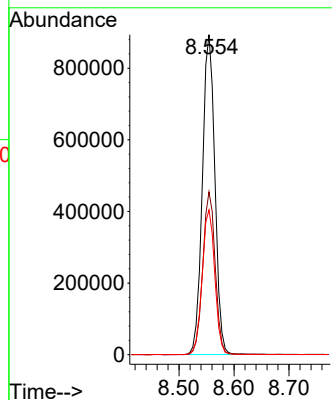
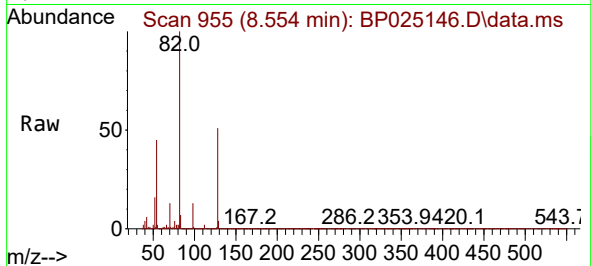




#23
Nitrobenzene-d5
Concen: 44.997 ng
RT: 8.554 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

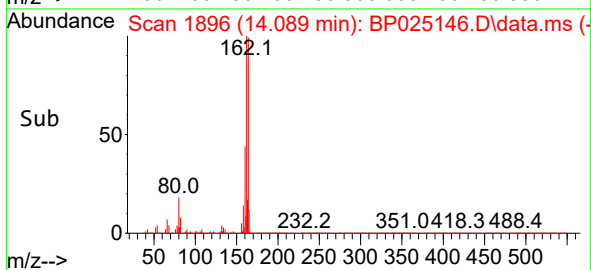
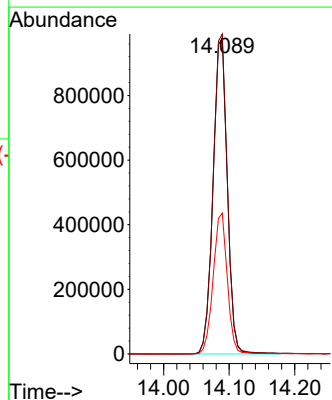
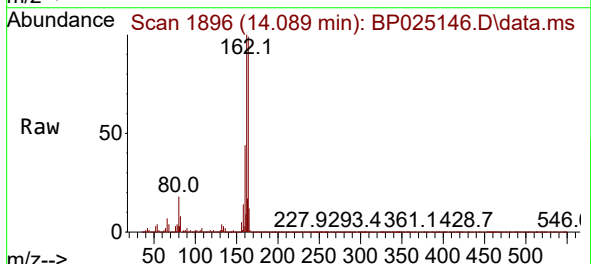
Instrument :
BNA_P
ClientSampleId :
VNJ-203

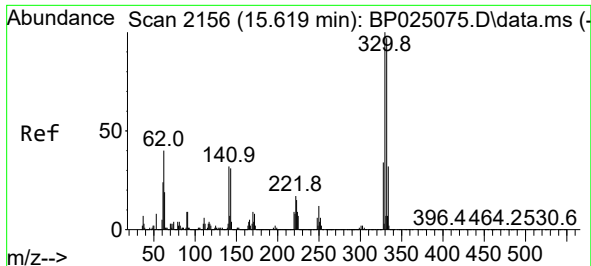
Tgt Ion: 82 Resp: 1417108
Ion Ratio Lower Upper
82 100
128 50.9 38.4 57.6
54 45.2 37.8 56.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.089 min Scan# 1896
Delta R.T. 0.000 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

Tgt Ion:164 Resp: 1474534
Ion Ratio Lower Upper
164 100
162 101.2 80.3 120.5
160 44.5 35.9 53.9

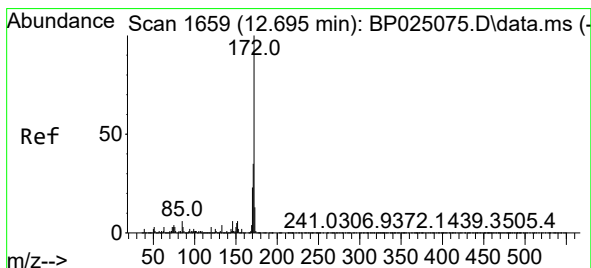
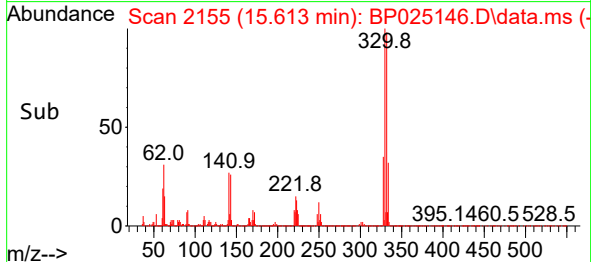
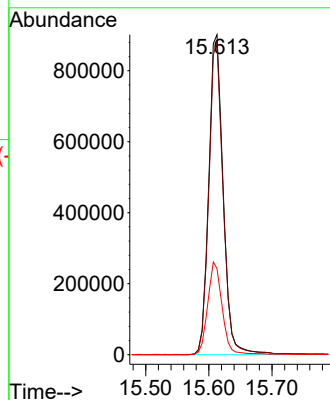
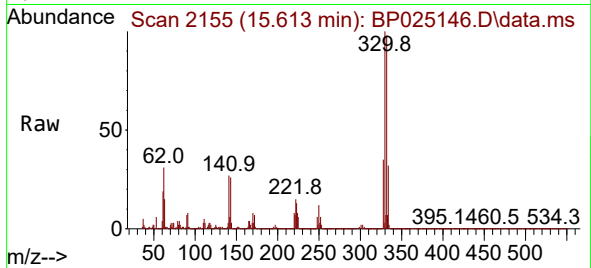




#42
2,4,6-Tribromophenol
Concen: 82.255 ng
RT: 15.613 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

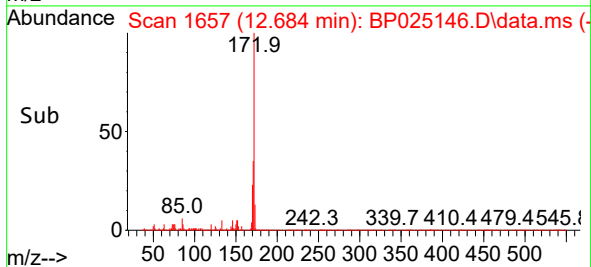
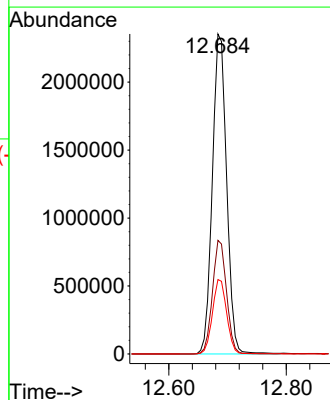
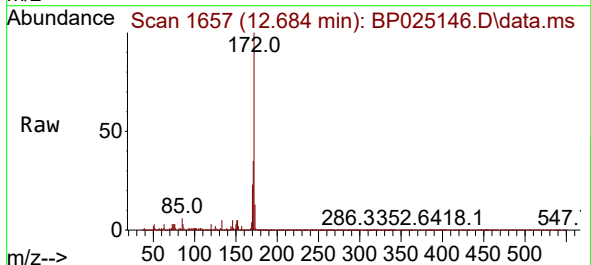
Instrument :
BNA_P
ClientSampleId :
VNJ-203

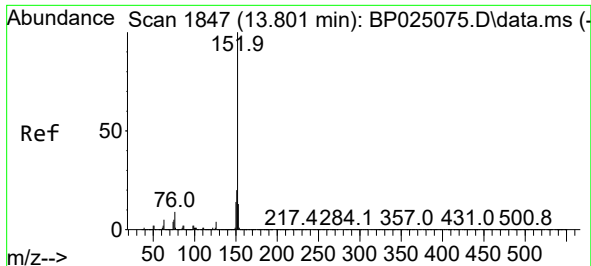
Tgt Ion: 330 Resp: 1432820
Ion Ratio Lower Upper
330 100
332 96.5 77.7 116.5
141 28.7 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 41.718 ng
RT: 12.684 min Scan# 1657
Delta R.T. -0.012 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

Tgt Ion: 172 Resp: 3970829
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.3 18.7 28.1

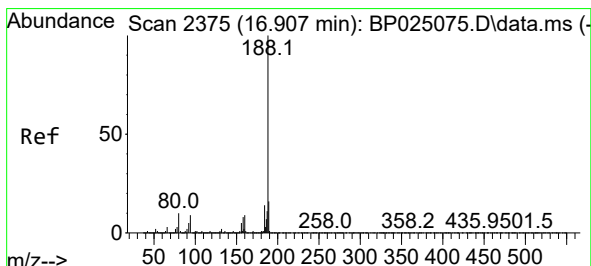
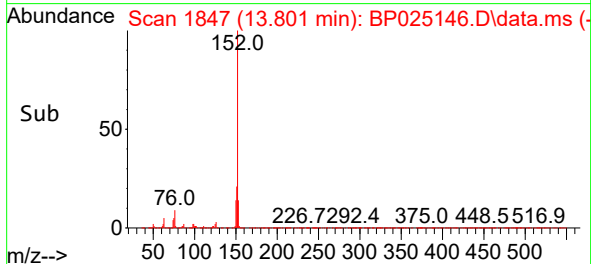
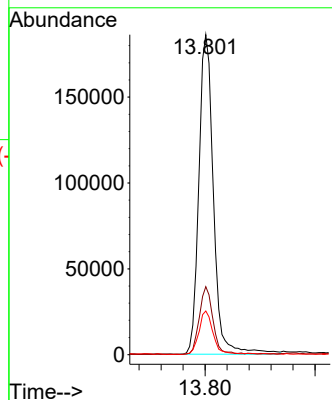
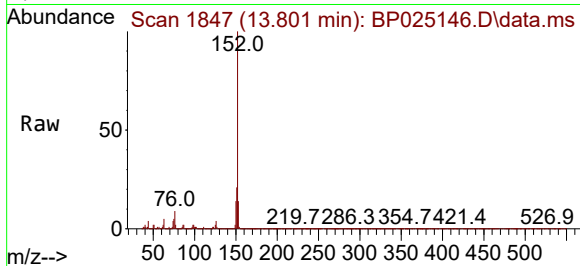




#49
Acenaphthylene
Concen: 2.786 ng
RT: 13.801 min Scan# 1847
Delta R.T. 0.000 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

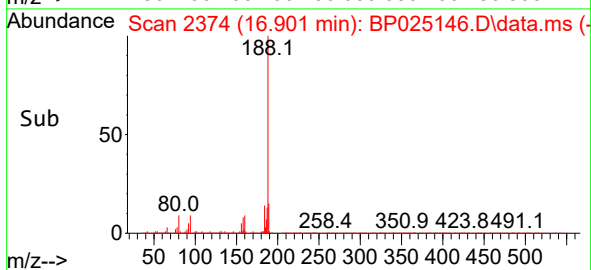
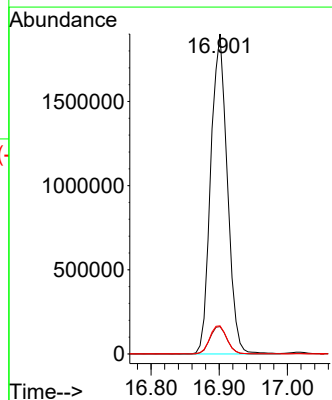
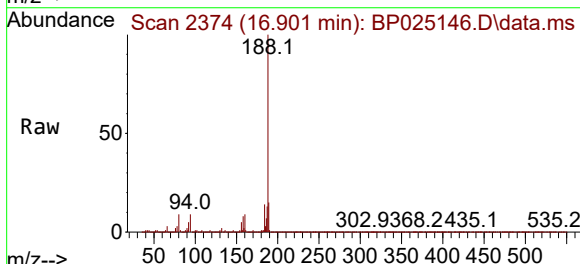
Instrument :
BNA_P
ClientSampleId :
VNJ-203

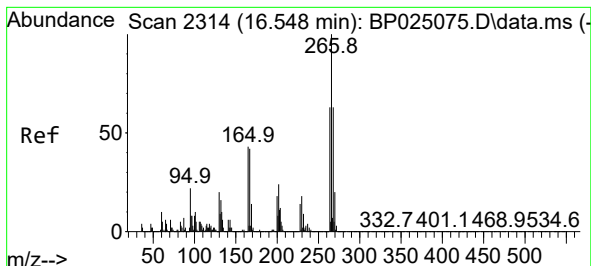
Tgt Ion:152 Resp: 343872
Ion Ratio Lower Upper
152 100
151 21.3 16.1 24.1
153 13.7 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.901 min Scan# 2374
Delta R.T. -0.006 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

Tgt Ion:188 Resp: 3209872
Ion Ratio Lower Upper
188 100
94 8.6 7.3 10.9
80 8.8 7.8 11.6





#70

Pentachlorophenol

Concen: 2.295 ng

RT: 16.548 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025146.D

Acq: 15 Jul 2025 15:17

Instrument :

BNA_P

ClientSampleId :

VNJ-203

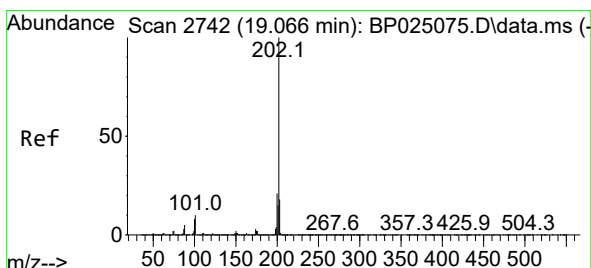
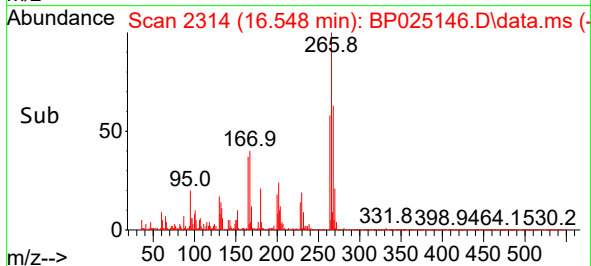
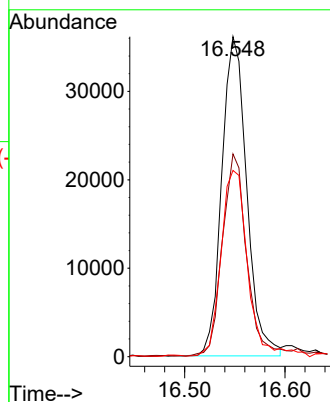
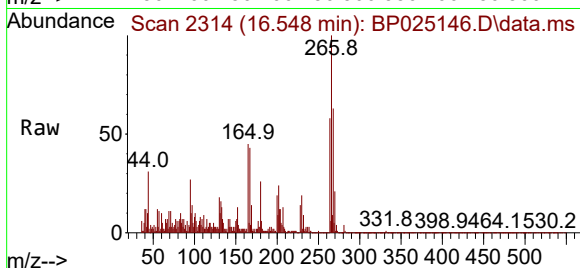
Tgt Ion:266 Resp: 62258

Ion Ratio Lower Upper

266 100

268 63.3 50.4 75.6

264 58.2 50.2 75.2



#75

Fluoranthene

Concen: 5.994 ng

RT: 19.048 min Scan# 2739

Delta R.T. -0.018 min

Lab File: BP025146.D

Acq: 15 Jul 2025 15:17

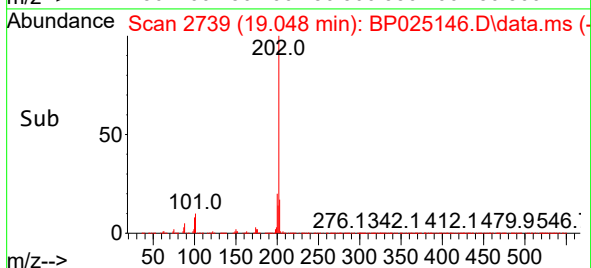
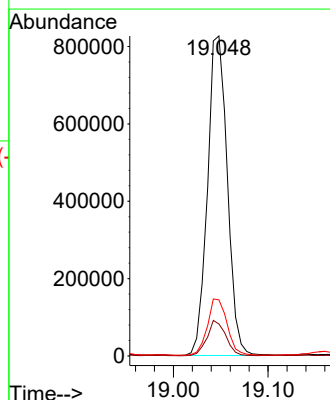
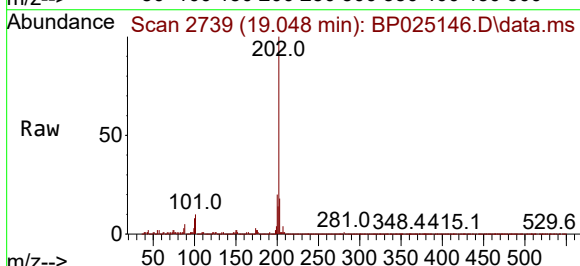
Tgt Ion:202 Resp: 1201669

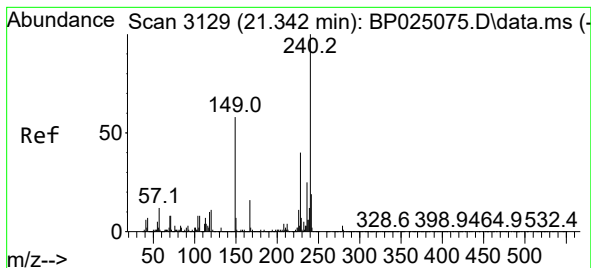
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.4

203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.342 min Scan# 3129

Delta R.T. 0.000 min

Lab File: BP025146.D

Acq: 15 Jul 2025 15:17

Instrument :

BNA_P

ClientSampleId :

VNJ-203

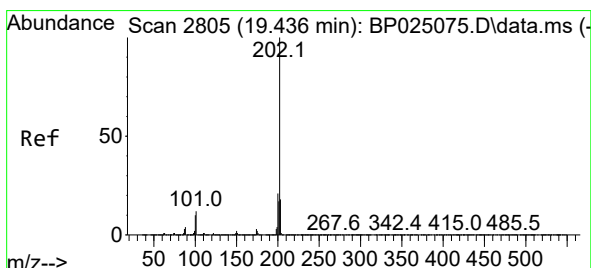
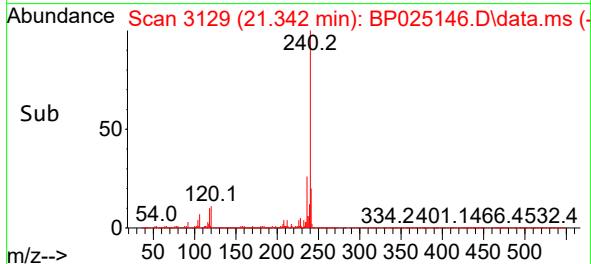
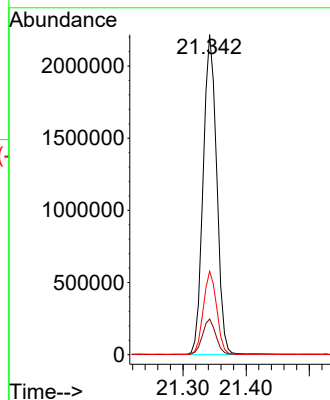
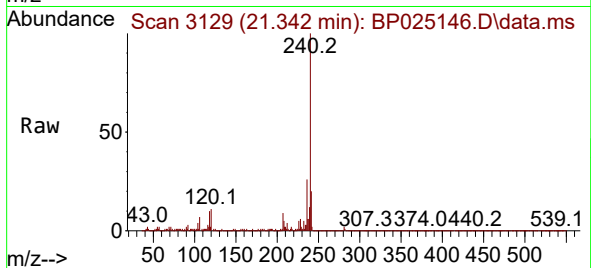
Tgt Ion:240 Resp: 3294790

Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.4

236 26.1 20.3 30.5



#78

Pyrene

Concen: 5.703 ng

RT: 19.424 min Scan# 2803

Delta R.T. -0.012 min

Lab File: BP025146.D

Acq: 15 Jul 2025 15:17

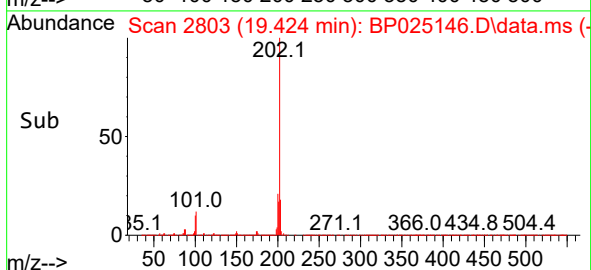
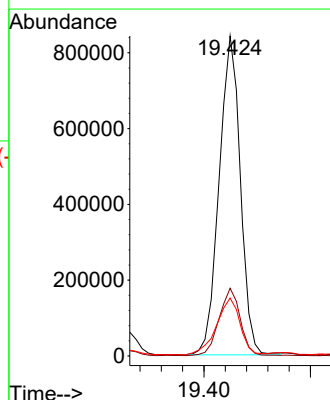
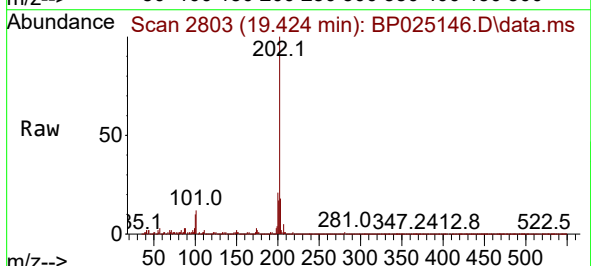
Tgt Ion:202 Resp: 1163801

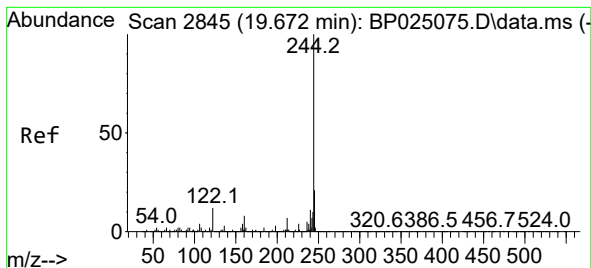
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 45.486 ng

RT: 19.672 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025146.D

Acq: 15 Jul 2025 15:17

Instrument :

BNA_P

ClientSampleId :

VNJ-203

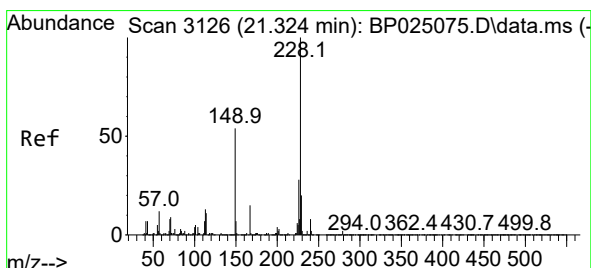
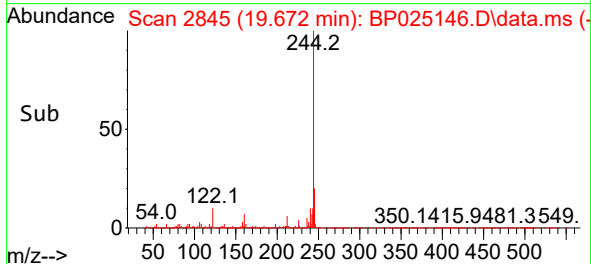
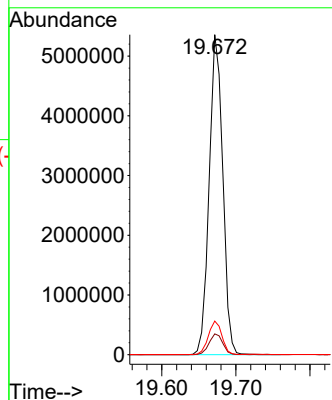
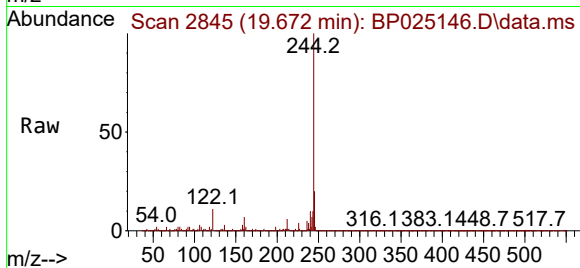
Tgt Ion:244 Resp: 6819023

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

122 10.5 9.4 14.2



#81

Benzo(a)anthracene

Concen: 4.066 ng m

RT: 21.324 min Scan# 3126

Delta R.T. 0.000 min

Lab File: BP025146.D

Acq: 15 Jul 2025 15:17

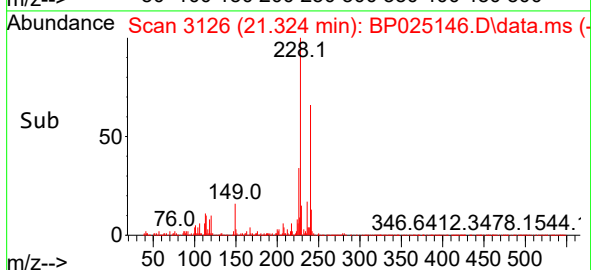
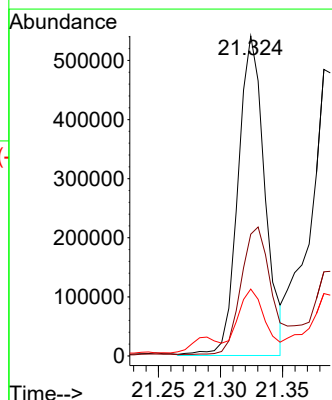
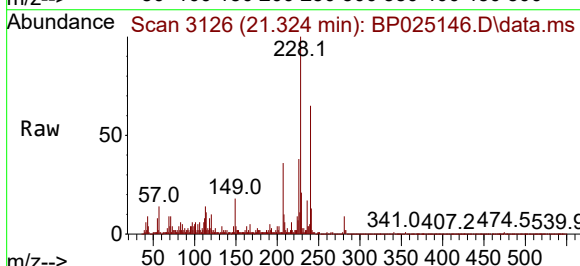
Tgt Ion:228 Resp: 811945

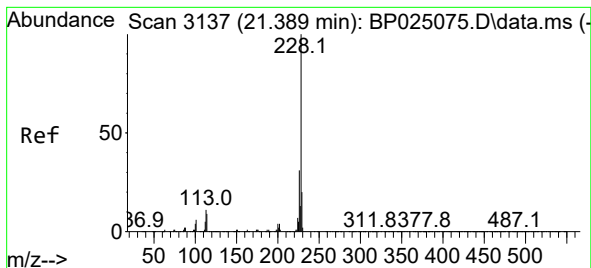
Ion Ratio Lower Upper

228 100

226 38.1 22.1 33.1#

229 20.9 16.0 24.0





#83

Chrysene

Concen: 4.663 ng

RT: 21.383 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BP025146.D

Acq: 15 Jul 2025 15:17

Instrument :

BNA_P

ClientSampleId :

VNJ-203

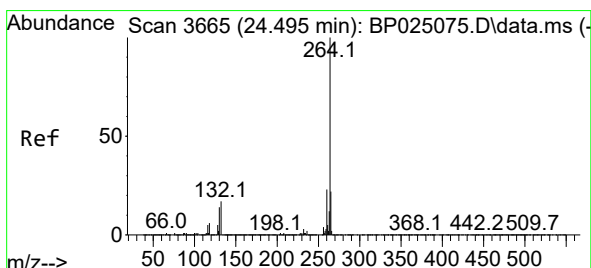
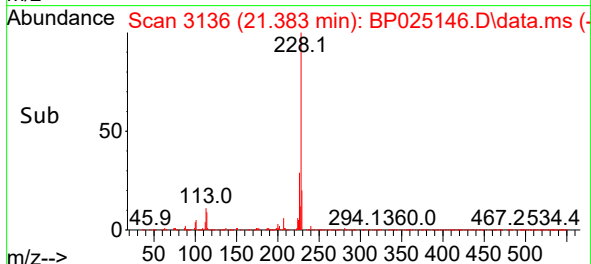
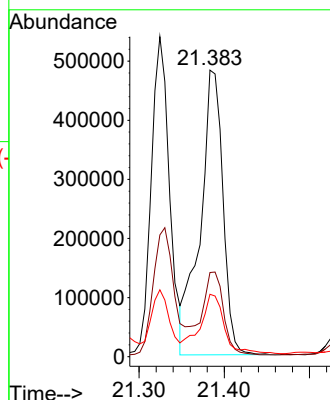
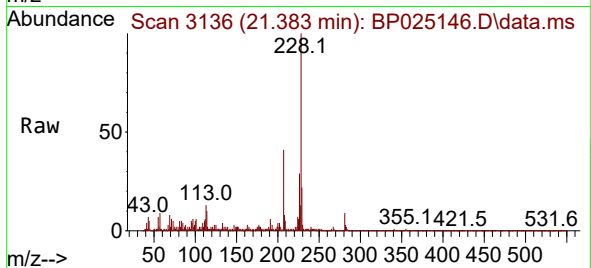
Tgt Ion:228 Resp: 895947

Ion Ratio Lower Upper

228 100

226 29.4 24.4 36.6

229 21.8 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.477 min Scan# 3662

Delta R.T. -0.018 min

Lab File: BP025146.D

Acq: 15 Jul 2025 15:17

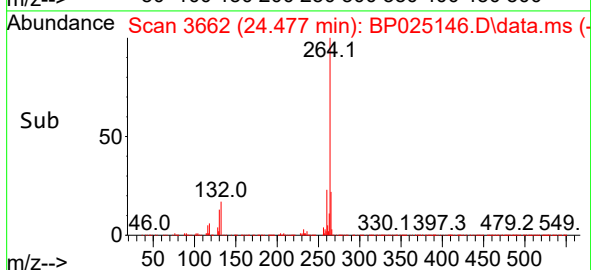
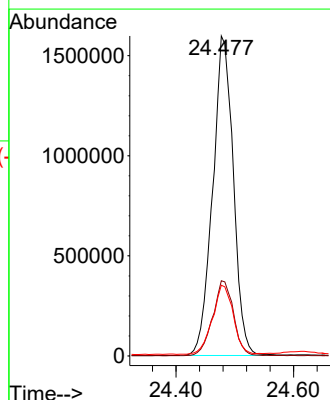
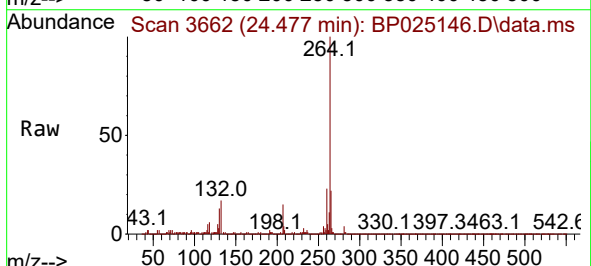
Tgt Ion:264 Resp: 3892731

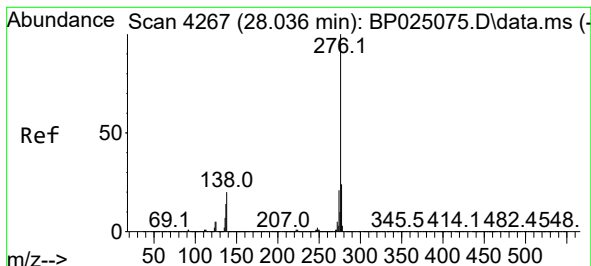
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.1 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.433 ng

RT: 28.012 min Scan# 41

Delta R.T. -0.024 min

Lab File: BP025146.D

Acq: 15 Jul 2025 15:17

Instrument :

BNA_P

ClientSampleId :

VNJ-203

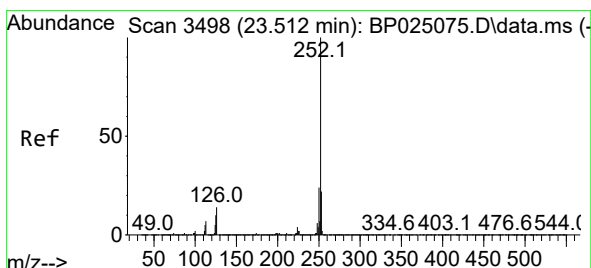
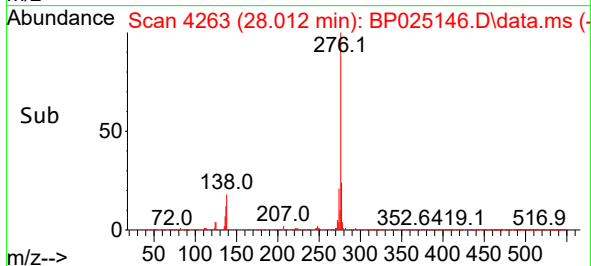
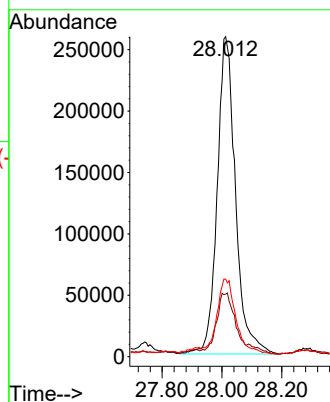
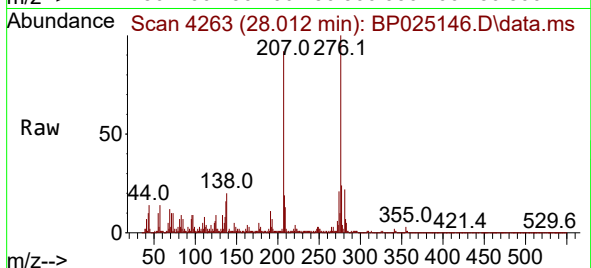
Tgt Ion:276 Resp: 1099441

Ion Ratio Lower Upper

276 100

138 21.8 13.0 19.6#

277 25.0 15.9 23.9#



#88

Benzo(b)fluoranthene

Concen: 7.380 ng

RT: 23.495 min Scan# 3495

Delta R.T. -0.018 min

Lab File: BP025146.D

Acq: 15 Jul 2025 15:17

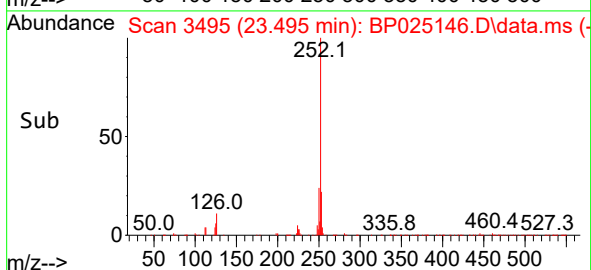
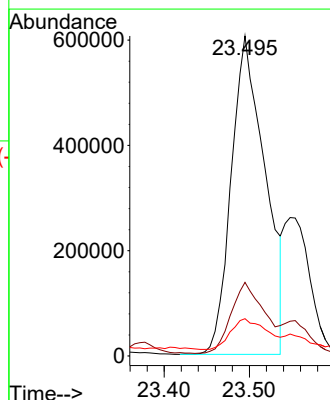
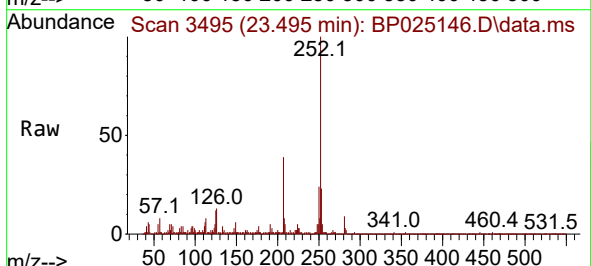
Tgt Ion:252 Resp: 1672187

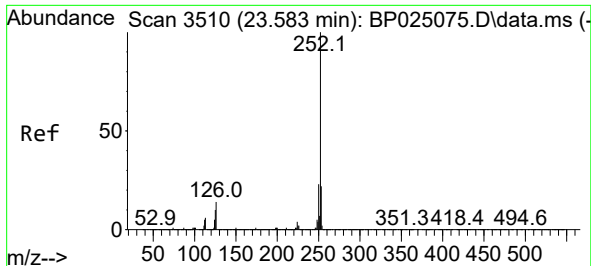
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 11.7 8.1 12.1

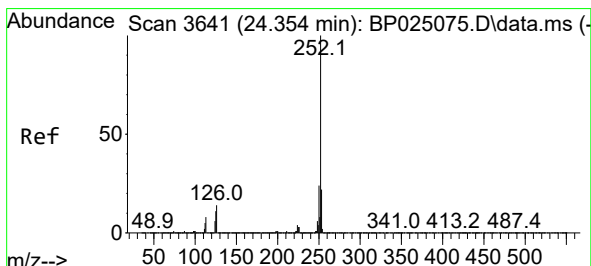
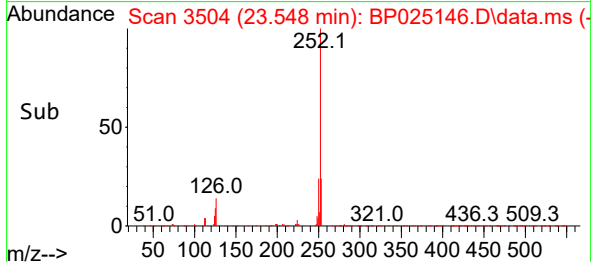
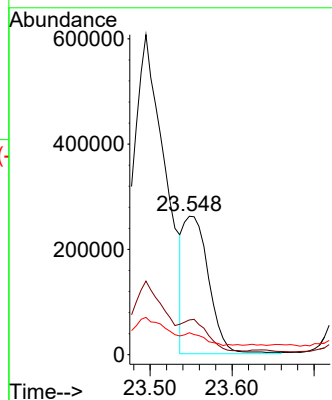
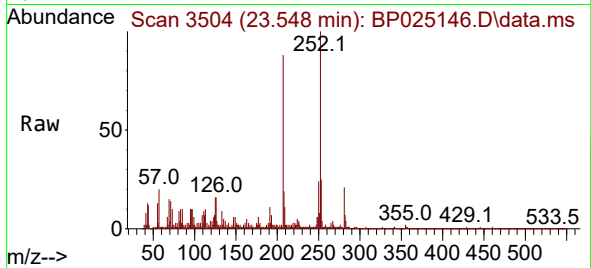




#89
Benzo(k)fluoranthene
Concen: 2.490 ng m
RT: 23.548 min Scan# 31
Delta R.T. -0.035 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

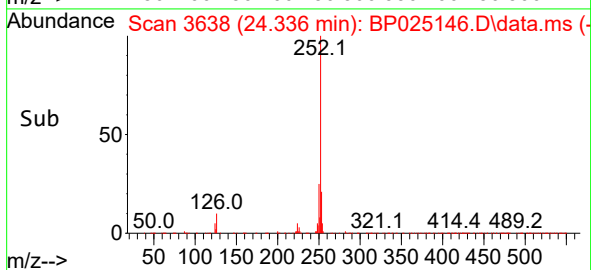
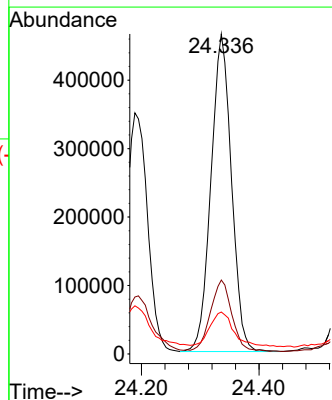
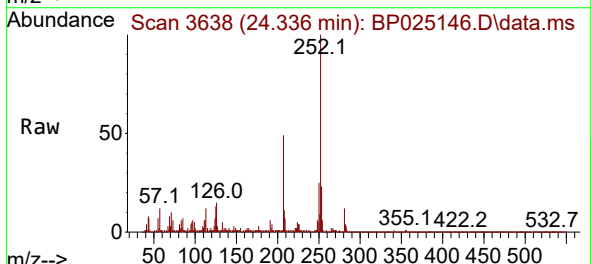
Instrument :
BNA_P
ClientSampleId :
VNJ-203

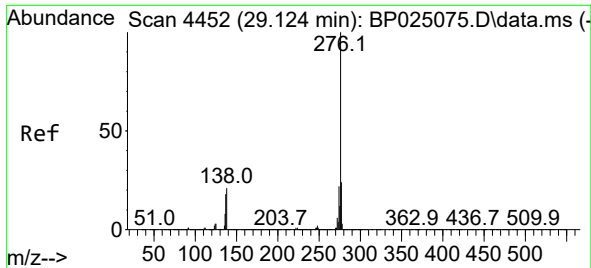
Tgt Ion:252 Resp: 561309
Ion Ratio Lower Upper
252 100
253 25.2 17.7 26.5
125 15.9 8.2 12.2#



#90
Benzo(a)pyrene
Concen: 5.804 ng
RT: 24.336 min Scan# 3638
Delta R.T. -0.018 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

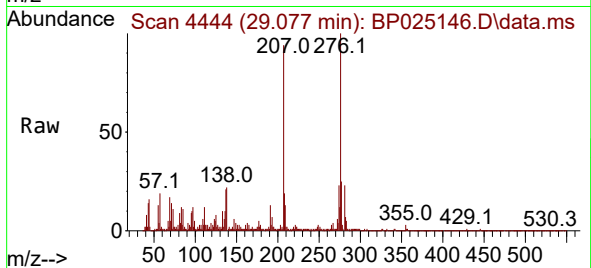
Tgt Ion:252 Resp: 1119307
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 13.1 9.0 13.4





#92
Benzo(g,h,i)perylene
Concen: 5.312 ng
RT: 29.077 min Scan# 44
Delta R.T. -0.047 min
Lab File: BP025146.D
Acq: 15 Jul 2025 15:17

Instrument :
BNA_P
ClientSampleId :
VNJ-203



Tgt Ion:276 Resp: 1124794
Ion Ratio Lower Upper
276 100
277 24.7 19.3 28.9
138 22.3 16.9 25.3

