

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
 Data File : BP025321.D
 Acq On : 07 Aug 2025 19:56
 Operator : CG/JU
 Sample : Q2783-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT5414

Quant Time: Aug 08 01:05:08 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)

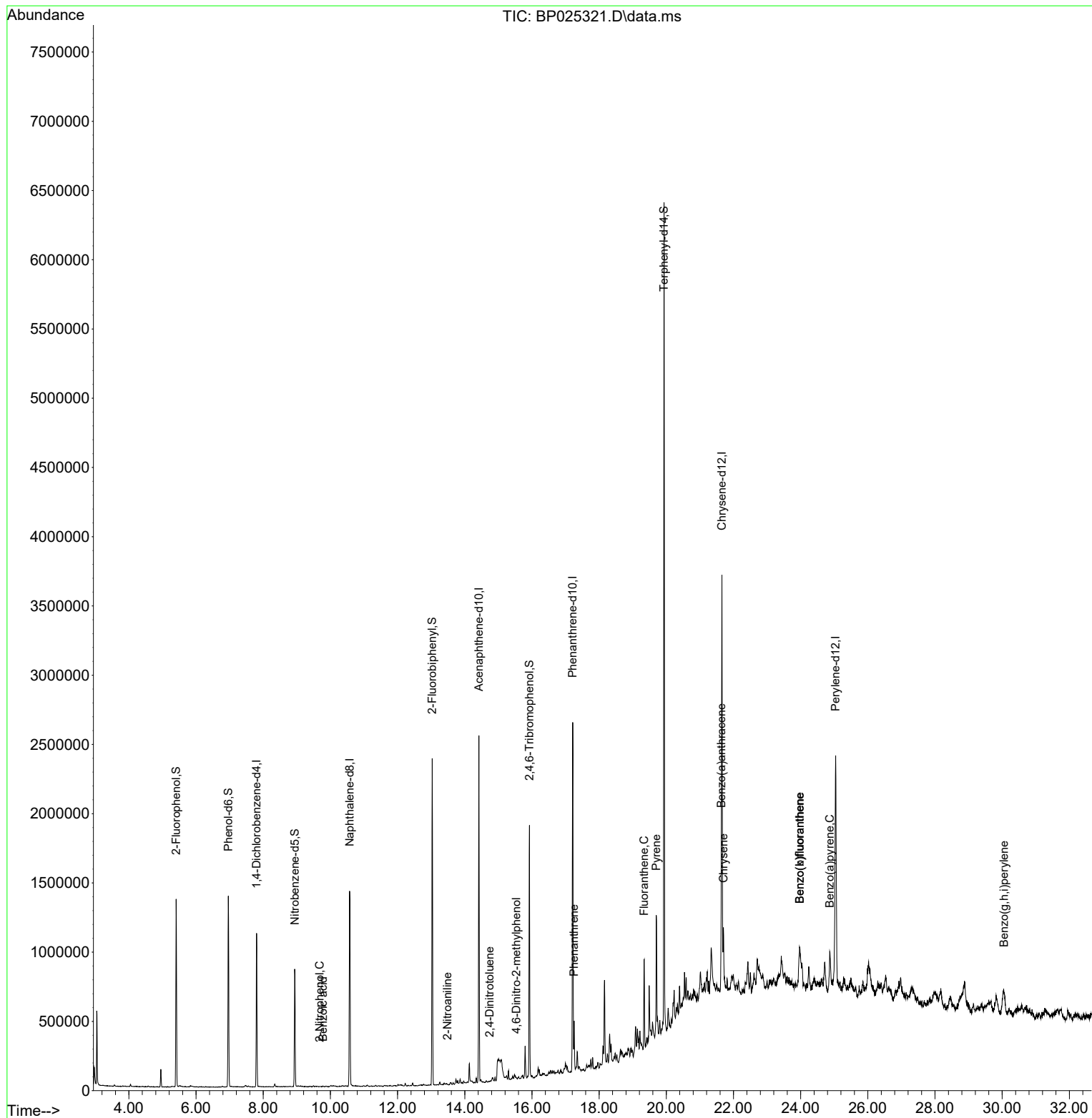
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	297376	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1246304	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	774662	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1546508	20.000	ng	-0.01
76) Chrysene-d12	21.654	240	1492574	20.000	ng	0.00
86) Perylene-d12	25.042	264	1625527	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	590626	31.944	ng	0.00
7) Phenol-d6	6.960	99	784705	32.248	ng	0.00
23) Nitrobenzene-d5	8.937	82	475792	21.150	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	288619	37.346	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	1166609	20.800	ng	0.00
79) Terphenyl-d14	19.930	244	2923855	37.000	ng	-0.01
Target Compounds						Qvalue
26) 2-Nitrophenol	9.678	139	66	3.645	ng	# 1
32) Benzoic acid	9.778	122	1627	6.111	ng	89
48) 2-Nitroaniline	13.484	65	202	2.979	ng	# 22
57) 2,4-Dinitrotoluene	14.742	165	497	3.284	ng	# 47
65) 4,6-Dinitro-2-methylph...	15.536	198	151	4.861	ng	# 1
71) Phenanthrene	17.254	178	213223	2.517	ng	99
75) Fluoranthene	19.336	202	404734	4.128	ng	98
78) Pyrene	19.701	202	572824	5.771	ng	100
81) Benzo(a)anthracene	21.636	228	280988	2.833	ng	94
83) Chrysene	21.701	228	305454	3.320	ng	97
88) Benzo(b)fluoranthene	23.971	252	365552	3.757	ng	# 94
89) Benzo(k)fluoranthene	23.971	252	365552	3.790	ng	# 94
90) Benzo(a)pyrene	24.871	252	281749	3.007	ng	# 96
92) Benzo(g,h,i)perylene	30.053	276	225403	2.407	ng	95

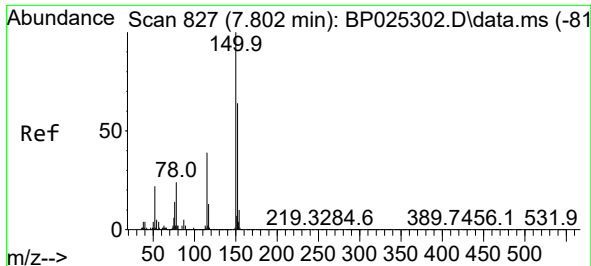
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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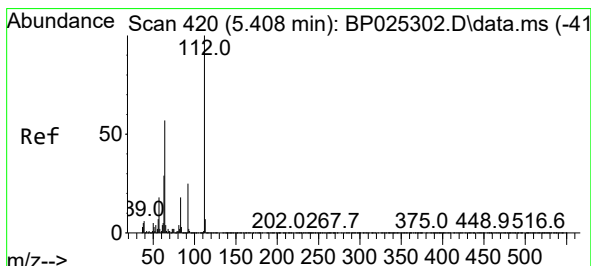
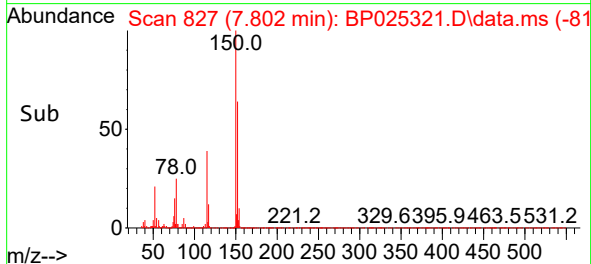
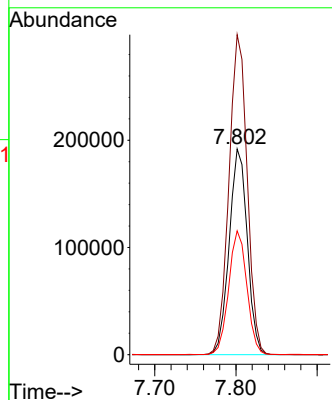
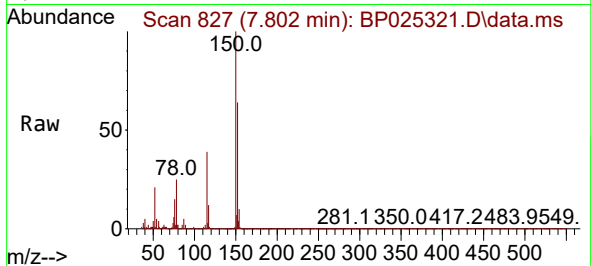




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

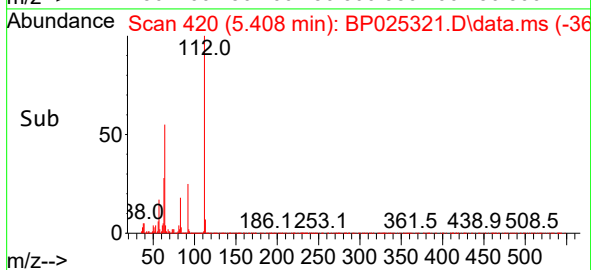
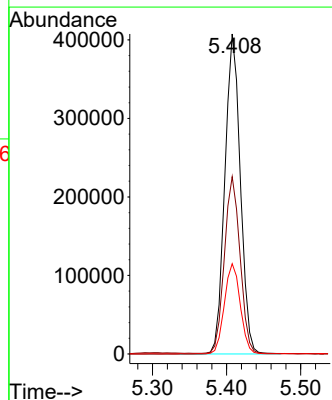
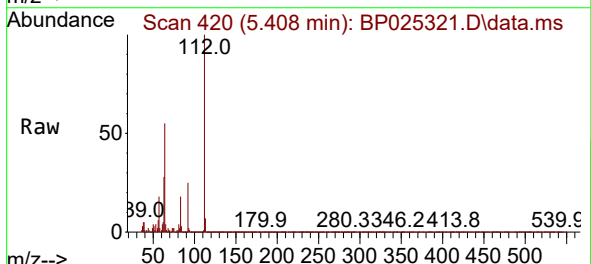
Instrument :
BNA_P
ClientSampleId :
RT5414

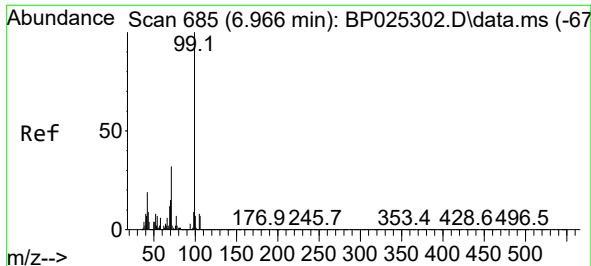
Tgt Ion:152 Resp: 297376
Ion Ratio Lower Upper
152 100
150 155.5 125.1 187.7
115 60.2 48.4 72.6



#5
2-Fluorophenol
Concen: 31.944 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

Tgt Ion:112 Resp: 590626
Ion Ratio Lower Upper
112 100
64 55.4 45.3 67.9
63 28.2 23.0 34.6

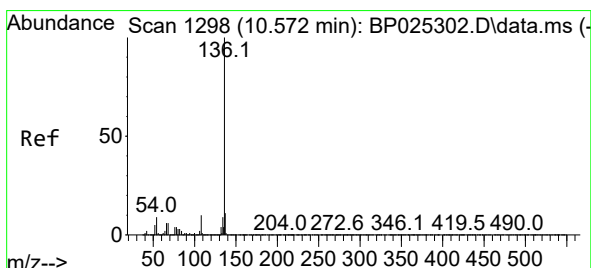
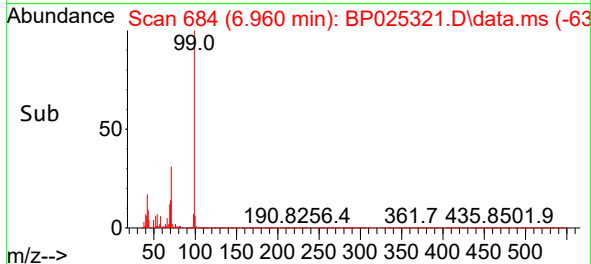
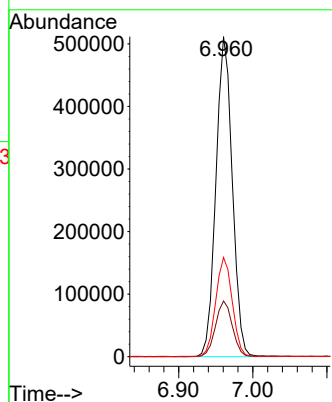
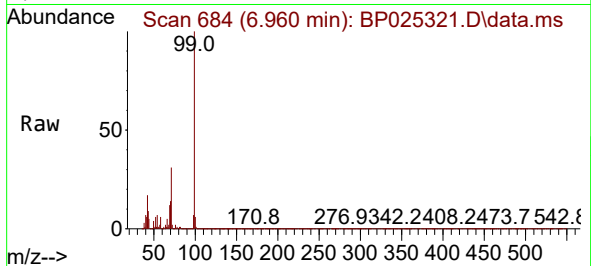




#7
Phenol-d6
Concen: 32.248 ng
RT: 6.960 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

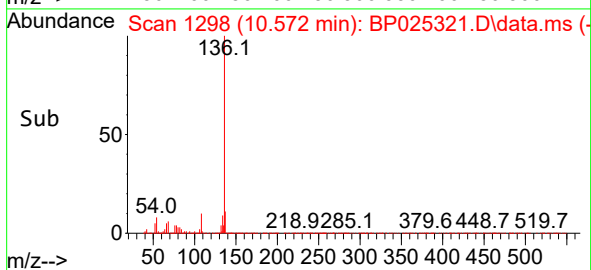
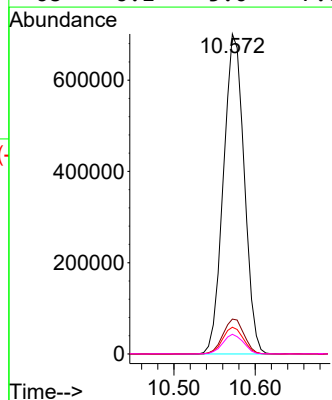
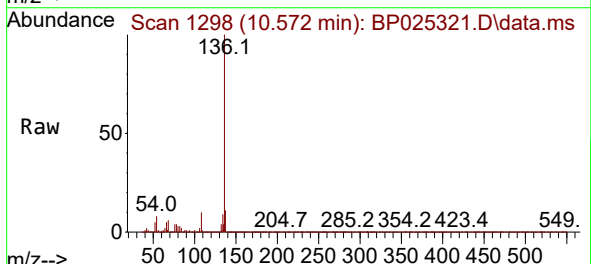
Instrument :
BNA_P
ClientSampleId :
RT5414

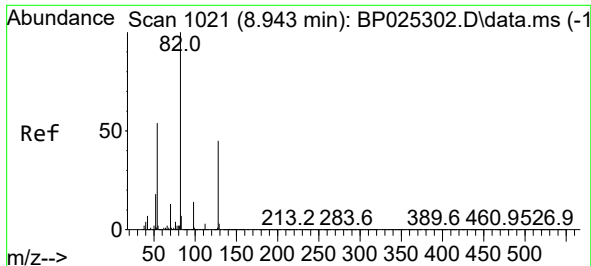
Tgt Ion: 99 Resp: 784705
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.6
71 31.0 25.5 38.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

Tgt Ion: 136 Resp: 1246304
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.3 7.0 10.6
68 6.1 5.0 7.6

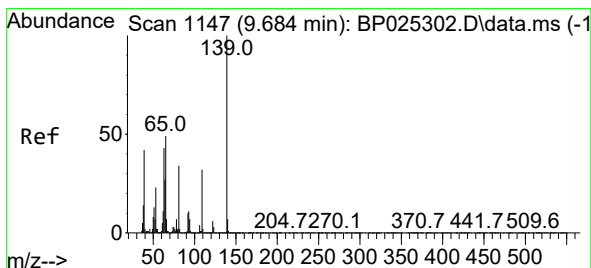
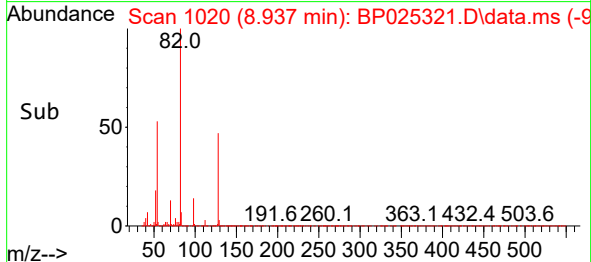
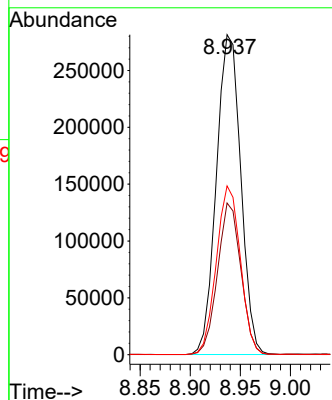
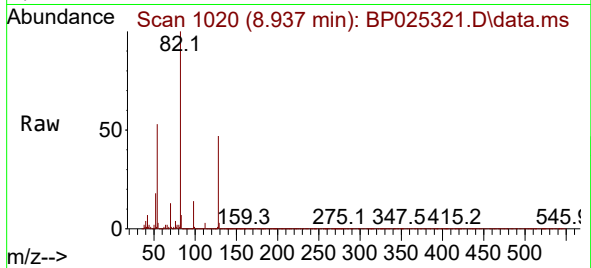




#23
Nitrobenzene-d5
Concen: 21.150 ng
RT: 8.937 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

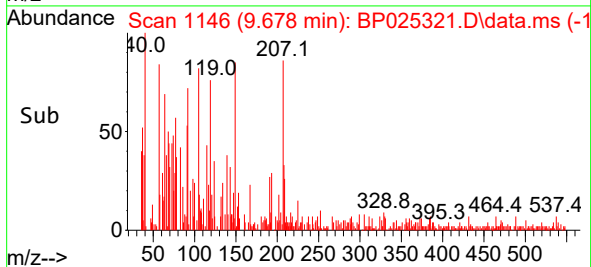
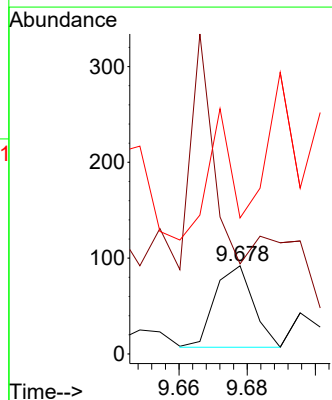
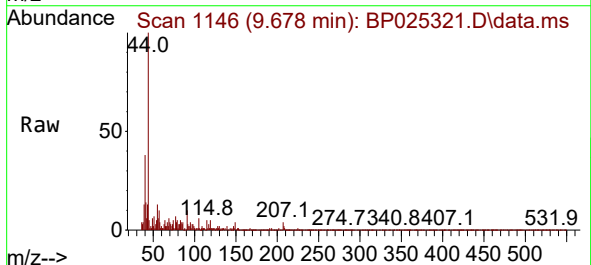
Instrument :
BNA_P
ClientSampleId :
RT5414

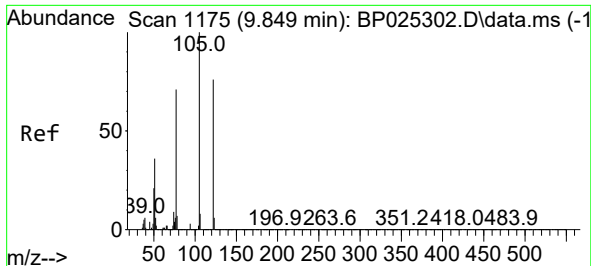
Tgt Ion: 82 Resp: 475792
Ion Ratio Lower Upper
82 100
128 47.4 35.4 53.2
54 52.8 42.9 64.3



#26
2-Nitrophenol
Concen: 3.645 ng
RT: 9.678 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

Tgt Ion: 139 Resp: 66
Ion Ratio Lower Upper
139 100
109 102.2 25.2 37.8#
65 154.3 39.6 59.4#

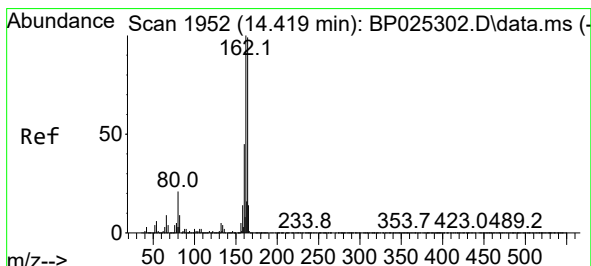
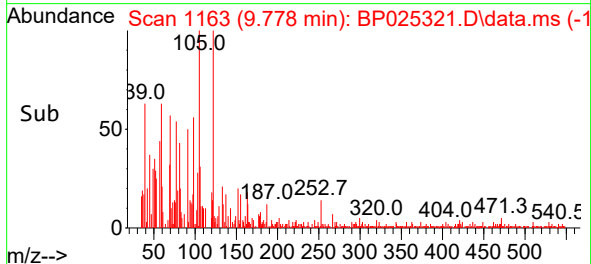
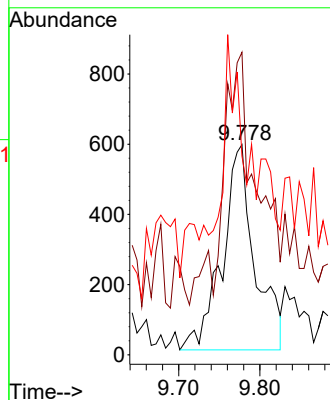
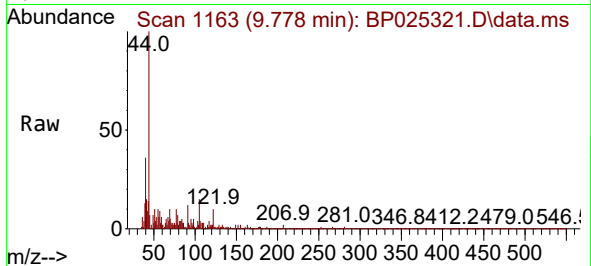




#32
Benzoic acid
Concen: 6.111 ng
RT: 9.778 min Scan# 1163
Delta R.T. -0.071 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

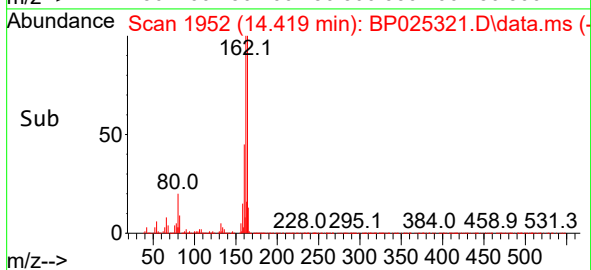
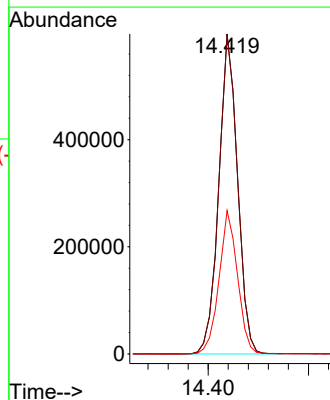
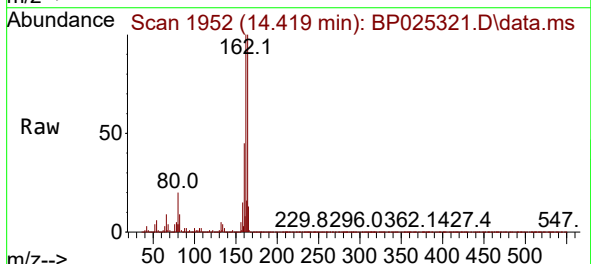
Instrument :
BNA_P
ClientSampleId :
RT5414

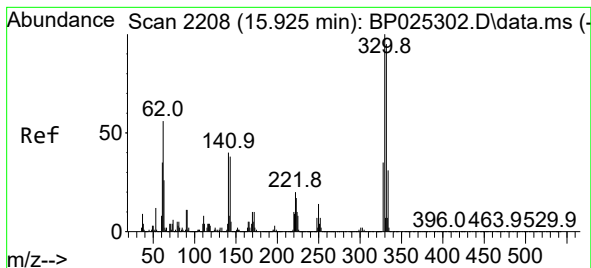
Tgt Ion:122 Resp: 1627
Ion Ratio Lower Upper
122 100
105 143.9 104.0 144.0
77 94.5 71.8 111.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

Tgt Ion:164 Resp: 774662
Ion Ratio Lower Upper
164 100
162 99.8 80.6 120.8
160 44.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 37.346 ng

RT: 15.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

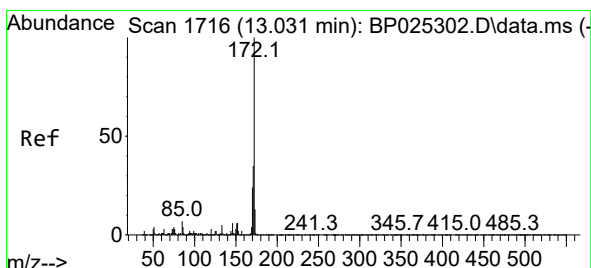
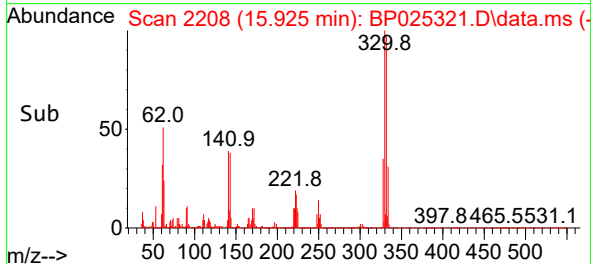
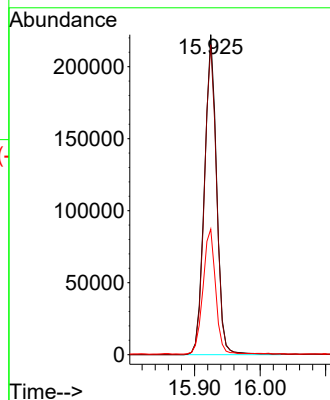
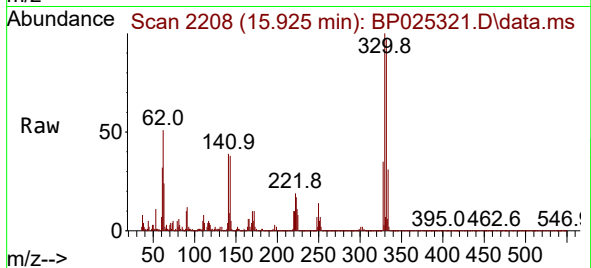
Tgt Ion:330 Resp: 288619

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.0

141 40.0 31.7 47.5



#45

2-Fluorobiphenyl

Concen: 20.800 ng

RT: 13.031 min Scan# 1716

Delta R.T. -0.000 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

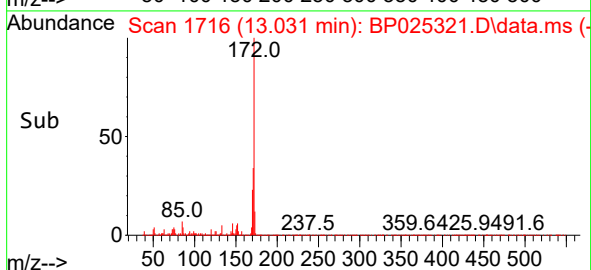
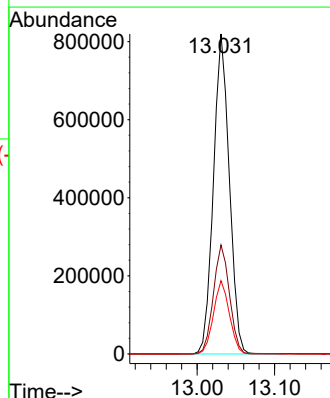
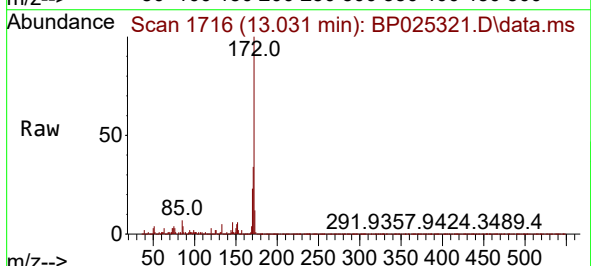
Tgt Ion:172 Resp: 1166609

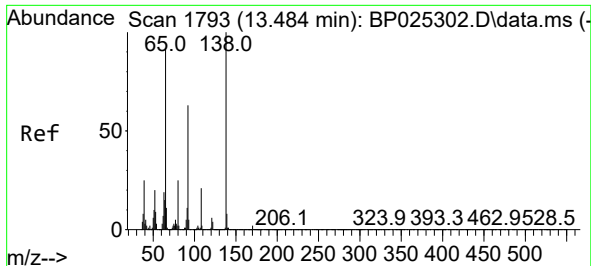
Ion Ratio Lower Upper

172 100

171 34.1 27.9 41.9

170 22.9 18.9 28.3

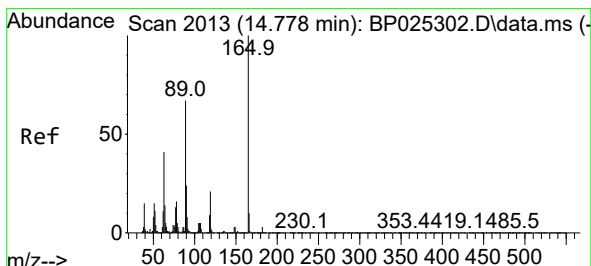
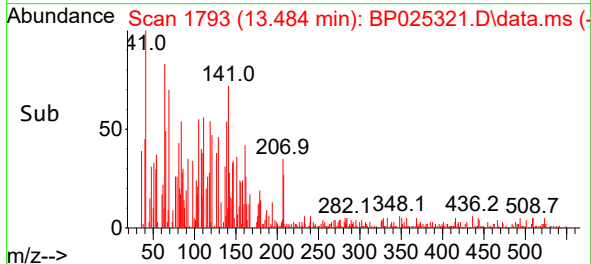
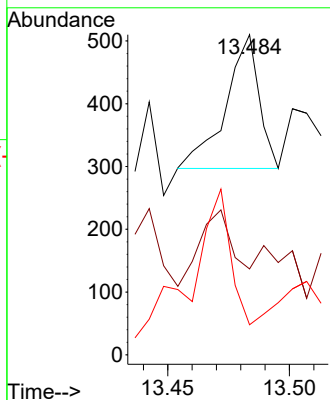
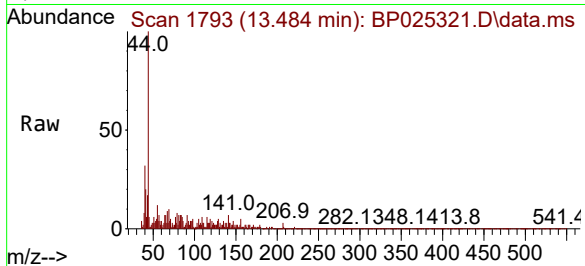




#48
2-Nitroaniline
Concen: 2.979 ng
RT: 13.484 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

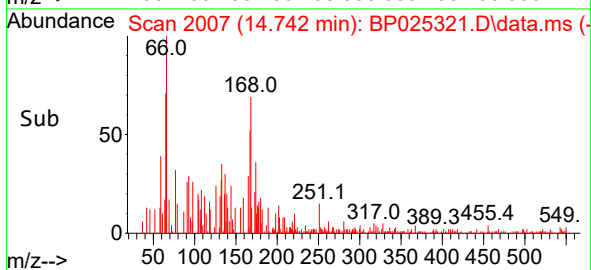
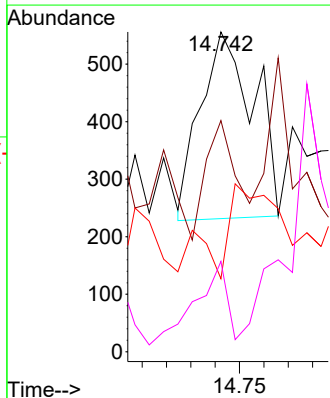
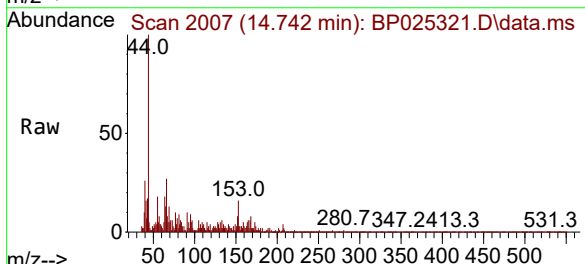
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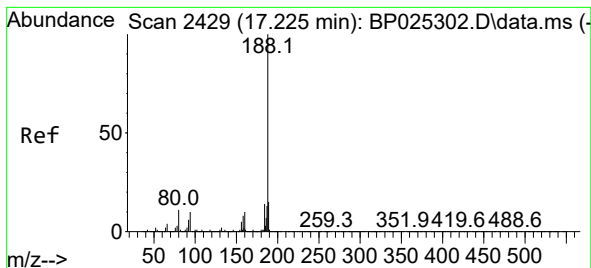
Tgt Ion: 65 Resp: 202
Ion Ratio Lower Upper
65 100
92 26.9 54.4 81.6#
138 9.4 87.0 130.4#



#57
2,4-Dinitrotoluene
Concen: 3.284 ng
RT: 14.742 min Scan# 2007
Delta R.T. -0.036 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

Tgt Ion: 165 Resp: 497
Ion Ratio Lower Upper
165 100
63 72.3 33.2 49.8#
89 22.8 53.5 80.3#
182 28.2 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.213 min Scan# 2429

Delta R.T. -0.012 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

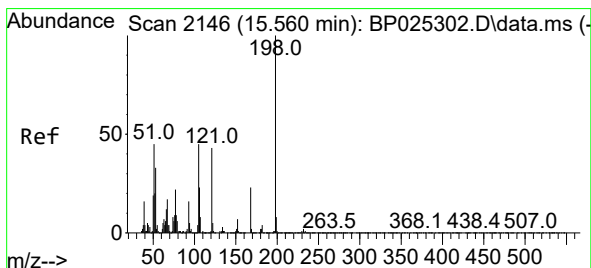
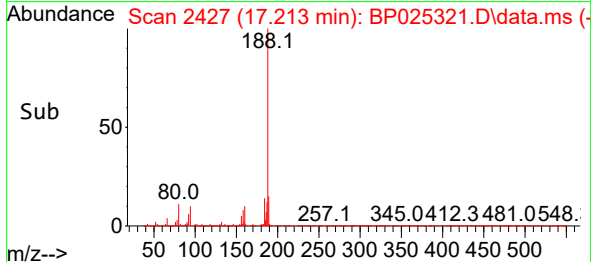
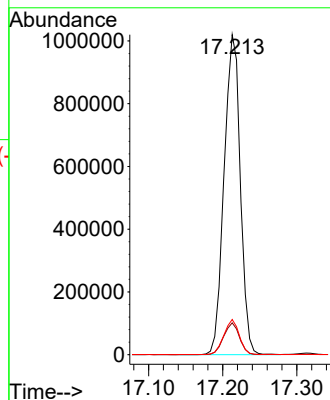
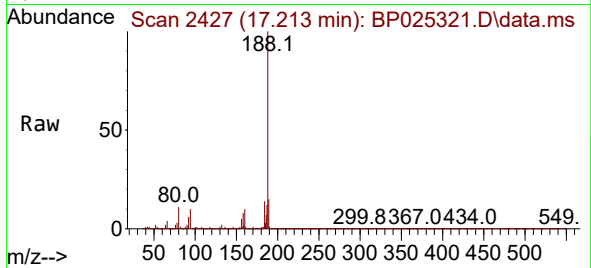
Tgt Ion:188 Resp: 1546508

Ion Ratio Lower Upper

188 100

94 9.9 8.0 12.0

80 11.0 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 4.861 ng

RT: 15.536 min Scan# 2142

Delta R.T. -0.024 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

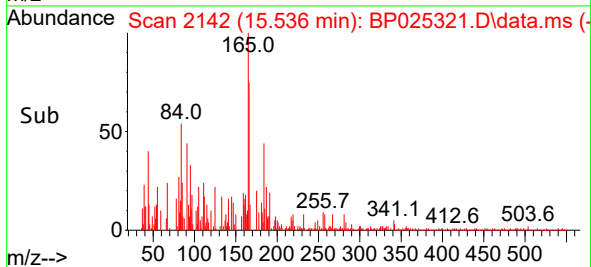
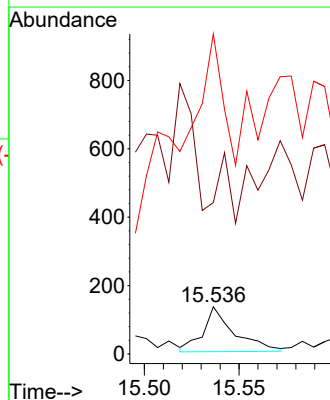
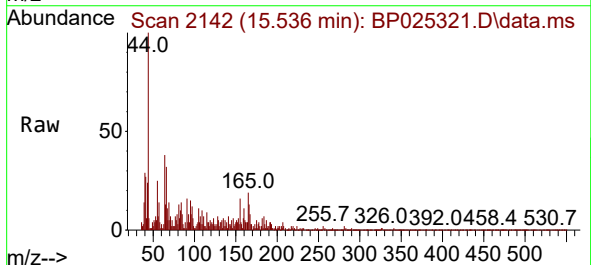
Tgt Ion:198 Resp: 151

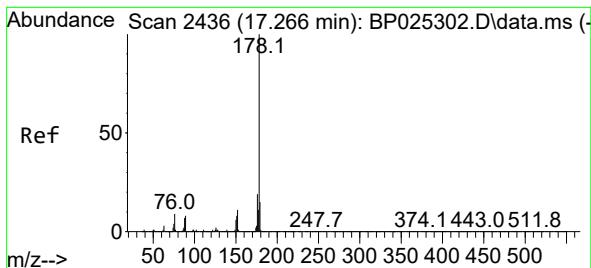
Ion Ratio Lower Upper

198 100

51 321.0 26.7 66.7#

105 678.3 25.6 65.6#





#71

Phenanthrene

Concen: 2.517 ng

RT: 17.254 min Scan# 2436

Delta R.T. -0.012 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

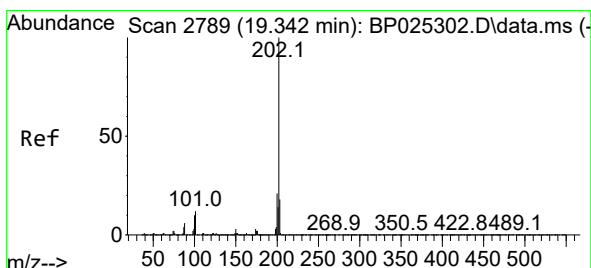
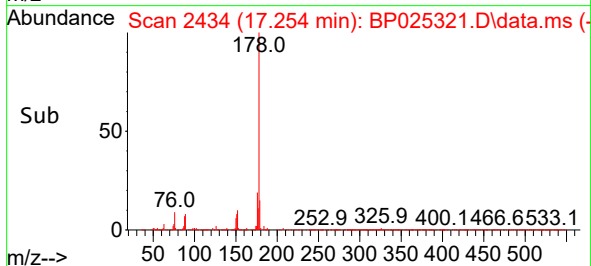
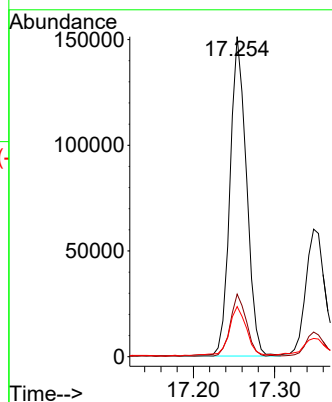
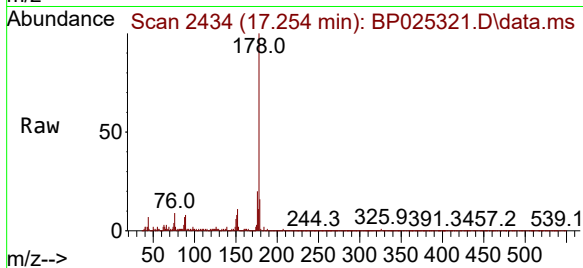
Tgt Ion:178 Resp: 213223

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

179 15.7 12.1 18.1



#75

Fluoranthene

Concen: 4.128 ng

RT: 19.336 min Scan# 2788

Delta R.T. -0.006 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

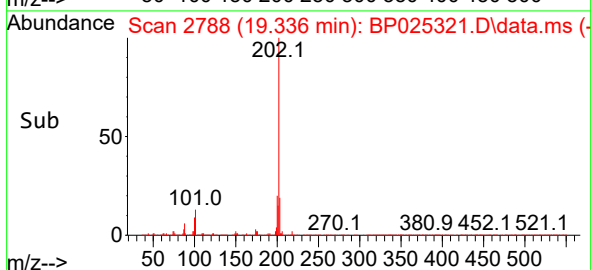
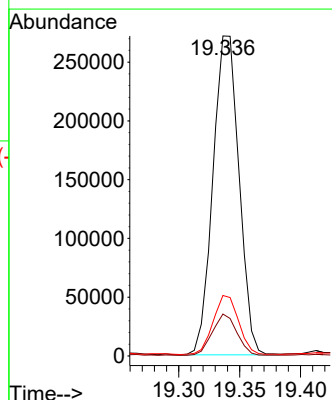
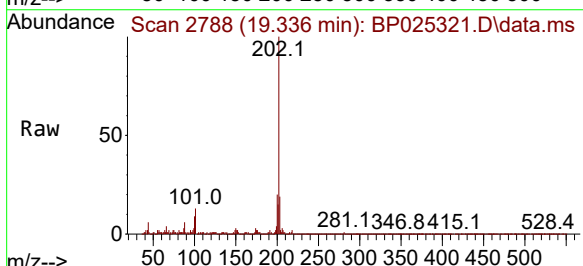
Tgt Ion:202 Resp: 404734

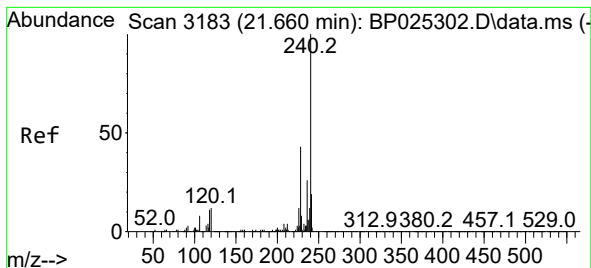
Ion Ratio Lower Upper

202 100

101 13.1 0.0 32.5

203 18.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.654 min Scan# 3182

Delta R.T. -0.006 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

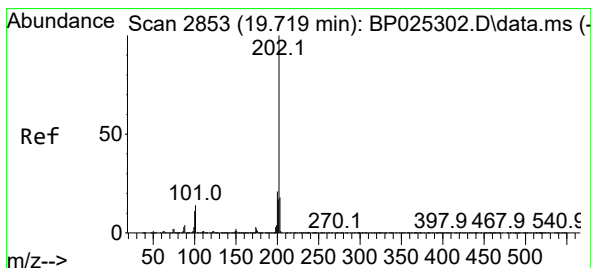
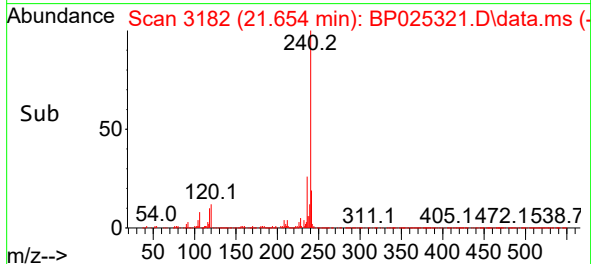
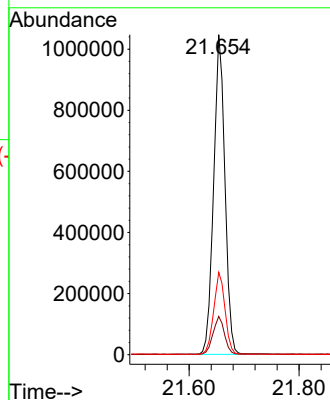
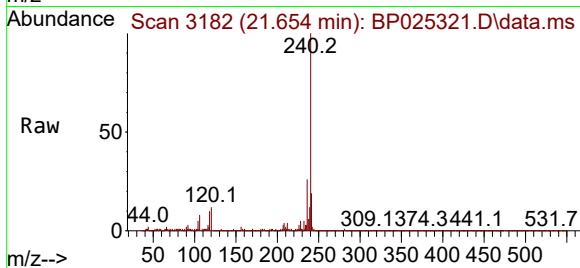
Tgt Ion:240 Resp: 1492574

Ion Ratio Lower Upper

240 100

120 12.0 9.6 14.4

236 25.7 20.4 30.6



#78

Pyrene

Concen: 5.771 ng

RT: 19.701 min Scan# 2850

Delta R.T. -0.018 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

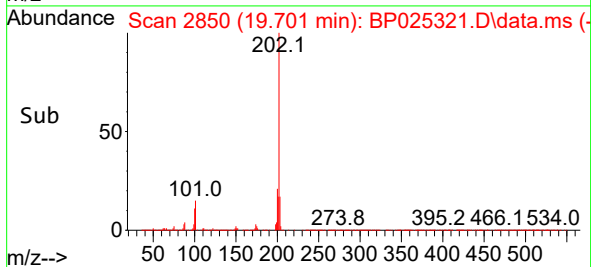
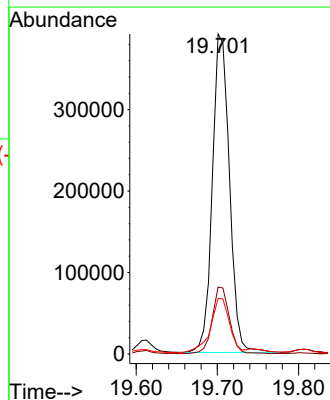
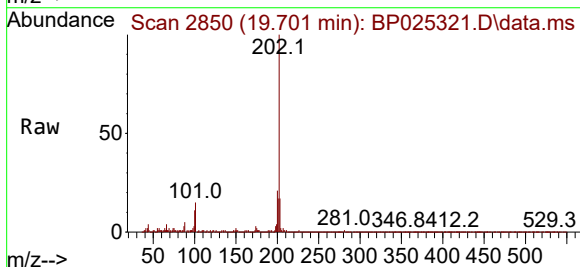
Tgt Ion:202 Resp: 572824

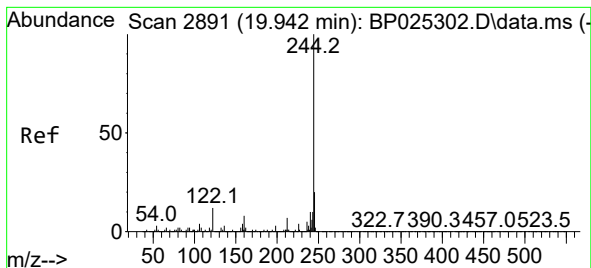
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 37.000 ng

RT: 19.930 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

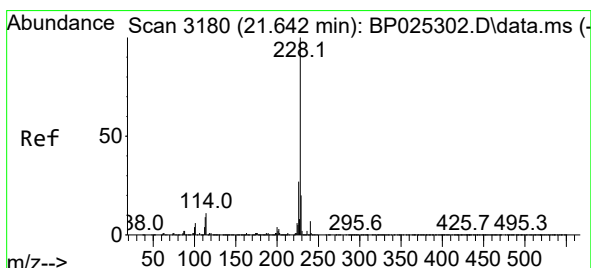
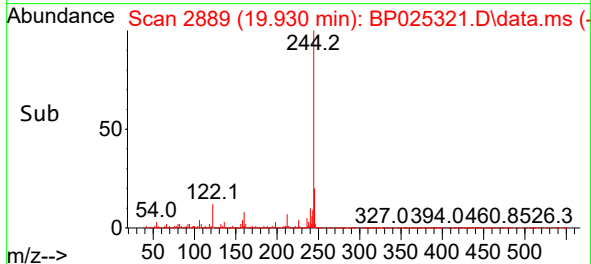
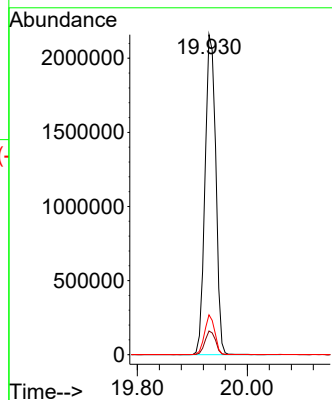
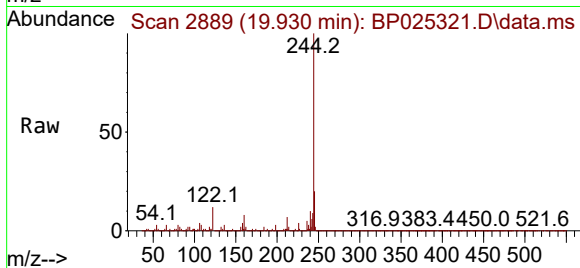
Tgt Ion:244 Resp: 2923855

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 12.5 9.5 14.3



#81

Benzo(a)anthracene

Concen: 2.833 ng

RT: 21.636 min Scan# 3179

Delta R.T. -0.006 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

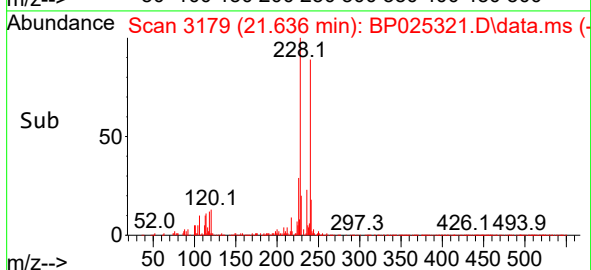
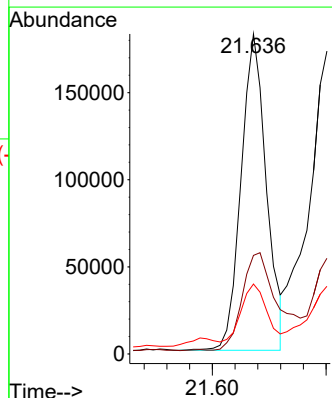
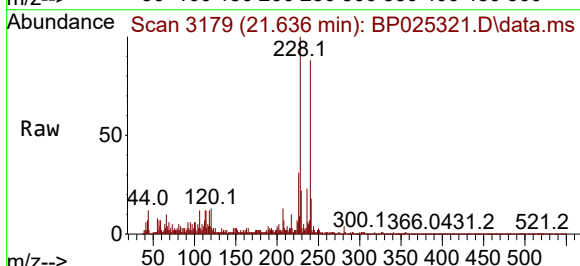
Tgt Ion:228 Resp: 280988

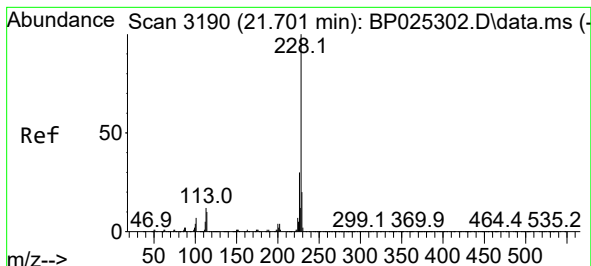
Ion Ratio Lower Upper

228 100

226 30.8 21.8 32.8

229 21.8 16.0 24.0





#83

Chrysene

Concen: 3.320 ng

RT: 21.701 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

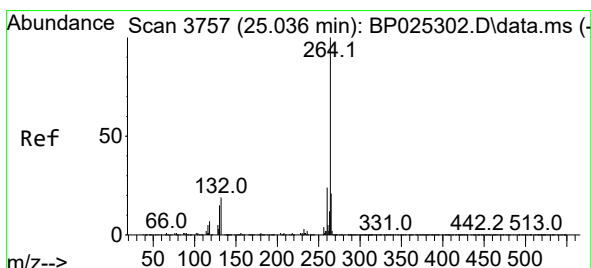
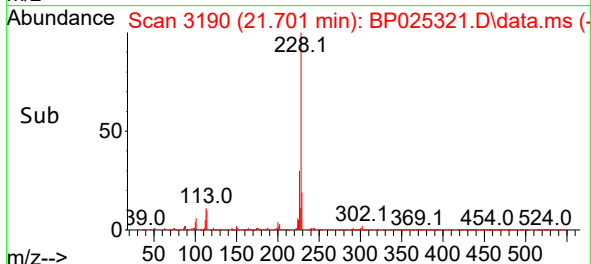
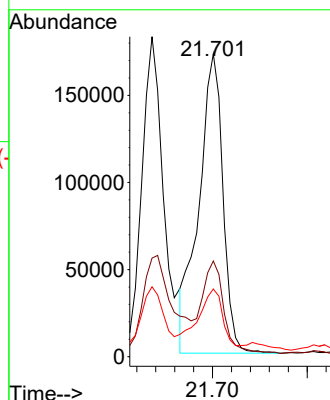
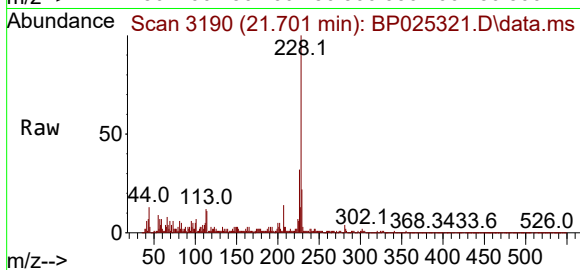
Tgt Ion:228 Resp: 305454

Ion Ratio Lower Upper

228 100

226 31.6 24.3 36.5

229 22.4 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.042 min Scan# 3758

Delta R.T. 0.006 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

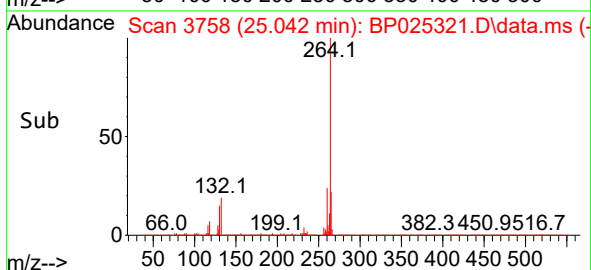
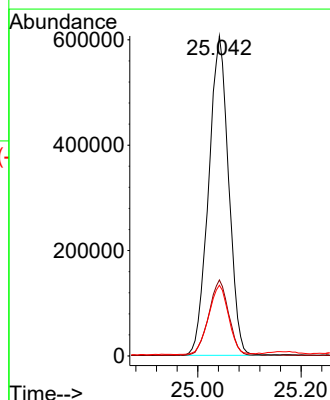
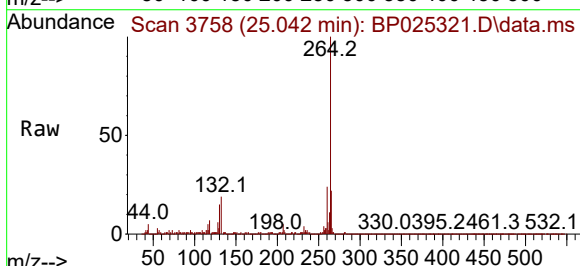
Tgt Ion:264 Resp: 1625527

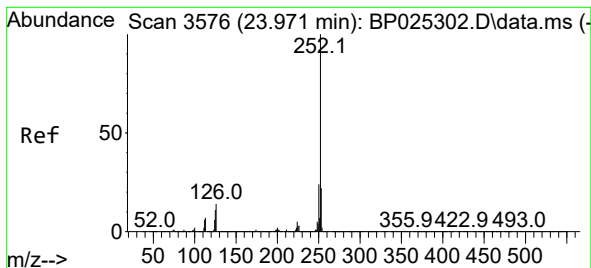
Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.1 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 3.757 ng

RT: 23.971 min Scan# 3576

Delta R.T. 0.000 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

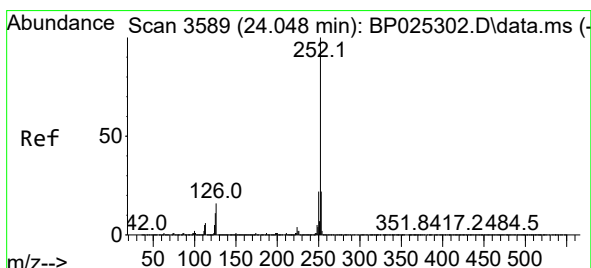
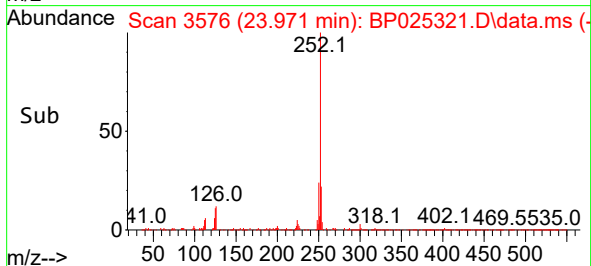
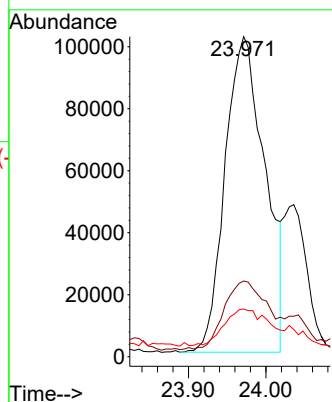
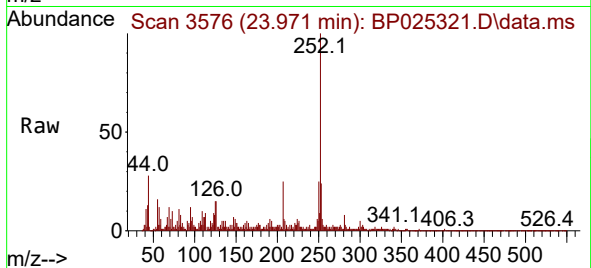
Tgt Ion:252 Resp: 365552

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 14.9 8.5 12.7#



#89

Benzo(k)fluoranthene

Concen: 3.790 ng

RT: 23.971 min Scan# 3576

Delta R.T. -0.077 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

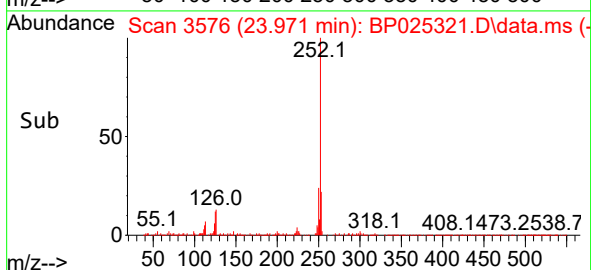
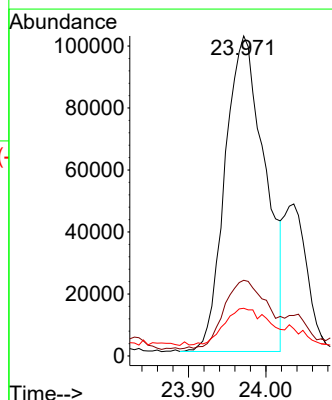
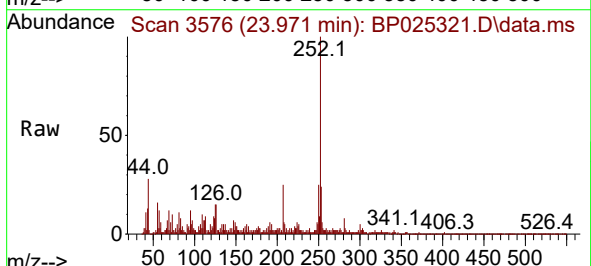
Tgt Ion:252 Resp: 365552

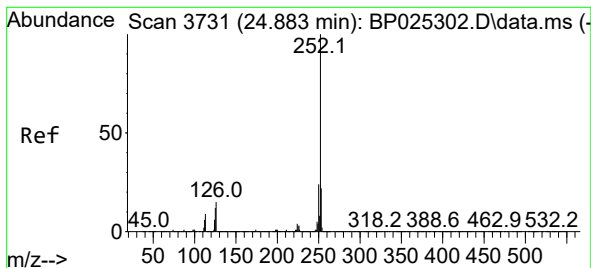
Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

125 14.9 8.5 12.7#





#90

Benzo(a)pyrene

Concen: 3.007 ng

RT: 24.871 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

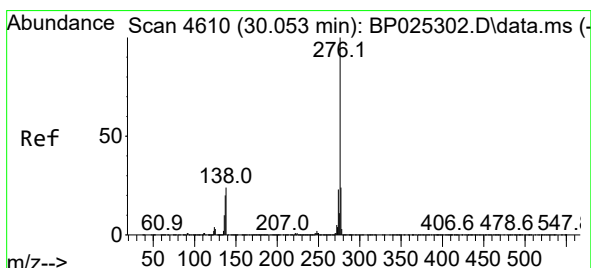
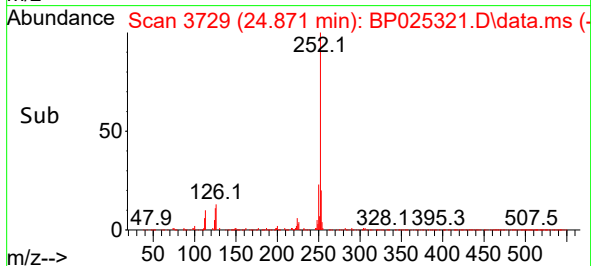
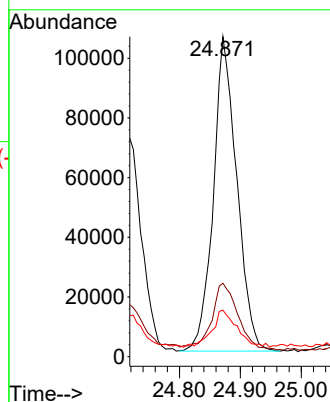
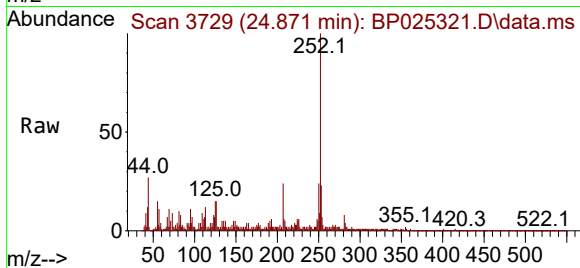
Tgt Ion:252 Resp: 281749

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 14.5 9.4 14.0#



#92

Benzo(g,h,i)perylene

Concen: 2.407 ng

RT: 30.053 min Scan# 4610

Delta R.T. 0.000 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Tgt Ion:276 Resp: 225403

Ion Ratio Lower Upper

276 100

277 26.5 19.3 28.9

138 26.6 19.1 28.7

