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 Data File : BP026063.D
 Acq On : 03 Nov 2025 18:16
 Operator : RC/JU
 Sample : Q3519-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

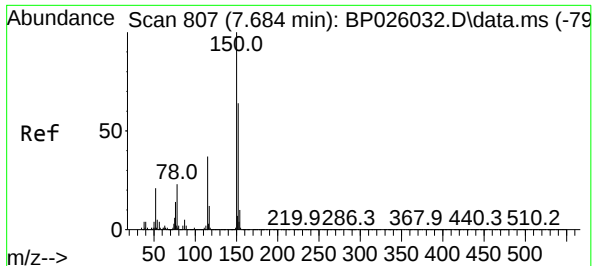
Instrument :
 BNA_P
 ClientSampleId :
 PL-01-103125

Quant Time: Nov 03 23:55:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	430721	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1702766	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	1022185	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1909534	20.000	ng	0.00
76) Chrysene-d12	21.572	240	1922161	20.000	ng	0.00
86) Perylene-d12	24.901	264	2193532	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	2867779	109.865	ng	0.00
7) Phenol-d6	6.855	99	3611668	108.708	ng	0.00
23) Nitrobenzene-d5	8.819	82	2077728	76.068	ng	0.00
42) 2,4,6-Tribromophenol	15.837	330	1312991	118.814	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	4461377	62.715	ng	0.00
79) Terphenyl-d14	19.866	244	5760247	60.885	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.502	42	332466	26.518	ng	# 1
26) 2-Nitrophenol	9.596	139	1005	2.767	ng	# 1
32) Benzoic acid	9.790	122	464	3.156	ng	# 58
48) 2-Nitroaniline	13.390	65	1574	3.003	ng	# 56
51) 2,6-Dinitrotoluene	13.872	165	1659	3.103	ng	# 75
53) 3-Nitroaniline	14.237	138	829	2.684	ng	# 54
57) 2,4-Dinitrotoluene	14.660	165	736	3.121	ng	# 61
63) Azobenzene	15.701	77	312891	4.619	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.431	198	383	2.034	ng	# 1
71) Phenanthrene	17.166	178	1390946	12.515	ng	99
72) Anthracene	17.260	178	447994	4.066	ng	98
75) Fluoranthene	19.266	202	3930865	30.319	ng	98
78) Pyrene	19.642	202	3640150	28.000	ng	99
80) Butylbenzylphthalate	20.630	149	1334	3.423	ng	# 15
81) Benzo(a)anthracene	21.554	228	2353371	17.817	ng	96
83) Chrysene	21.619	228	2101993	16.800	ng	98
84) Bis(2-ethylhexyl)phtha...	21.519	149	14282	2.772	ng	# 69
87) Indeno(1,2,3-cd)pyrene	28.665	276	1739274	10.740	ng	# 89
88) Benzo(b)fluoranthene	23.848	252	3142552	23.078	ng	97
89) Benzo(k)fluoranthene	23.848	252	3142552	22.599	ng	97
90) Benzo(a)pyrene	24.730	252	2245262	17.947	ng	98
91) Dibenzo(a,h)anthracene	28.736	278	448017	3.400	ng	# 86
92) Benzo(g,h,i)perylene	29.824	276	1680727	13.253	ng	98

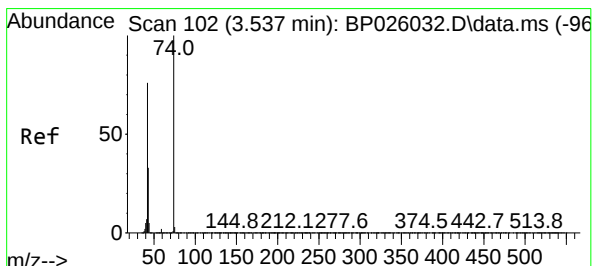
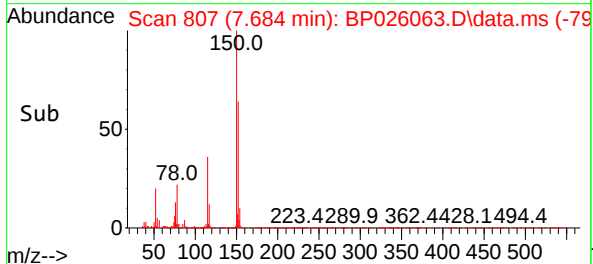
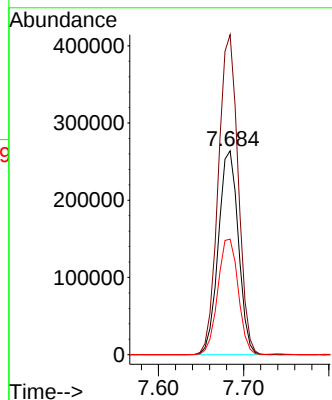
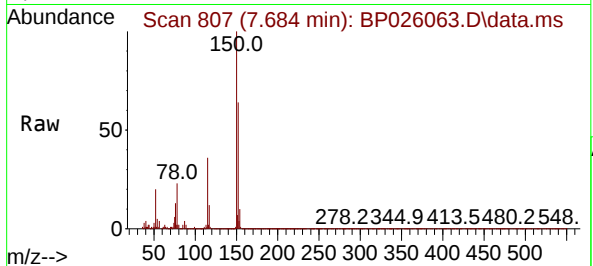
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

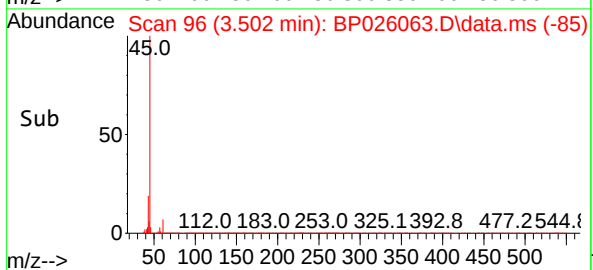
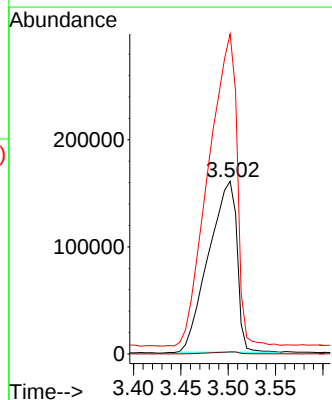
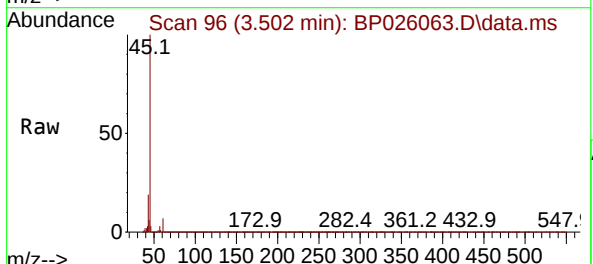
Instrument :
BNA_P
ClientSampleId :
PL-01-103125

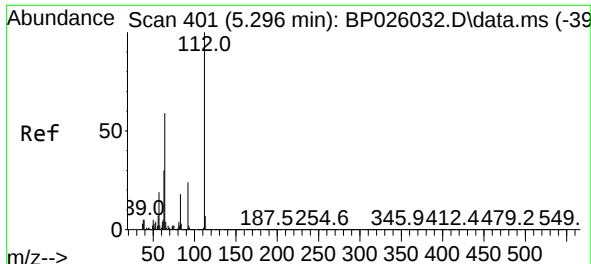
Tgt Ion:152 Resp: 430721
Ion Ratio Lower Upper
152 100
150 157.0 125.7 188.5
115 56.6 46.4 69.6



#4
n-Nitrosodimethylamine
Concen: 26.518 ng
RT: 3.502 min Scan# 96
Delta R.T. -0.035 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Tgt Ion: 42 Resp: 332466
Ion Ratio Lower Upper
42 100
74 1.3 105.7 158.5#
44 185.4 6.6 9.8#

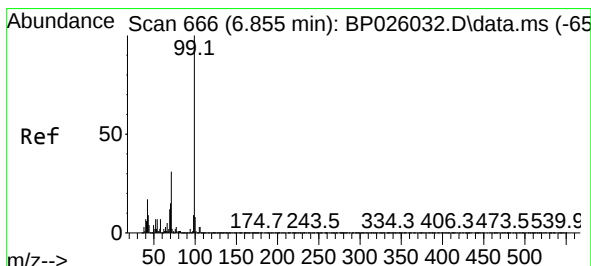
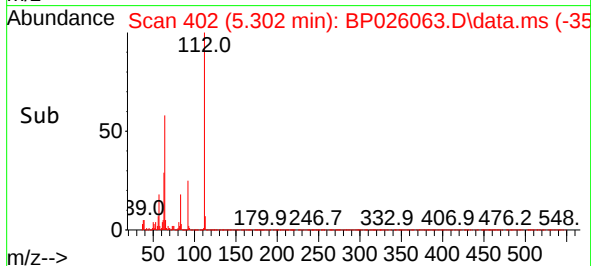
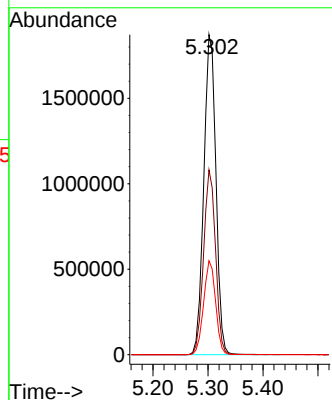
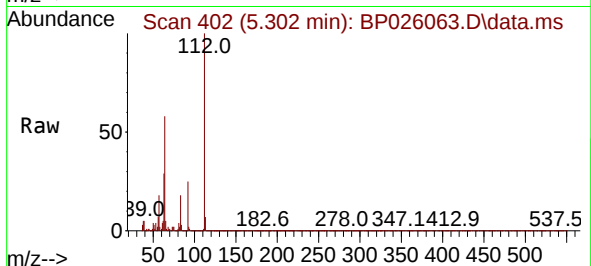




#5
2-Fluorophenol
Concen: 109.865 ng
RT: 5.302 min Scan# 401
Delta R.T. 0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

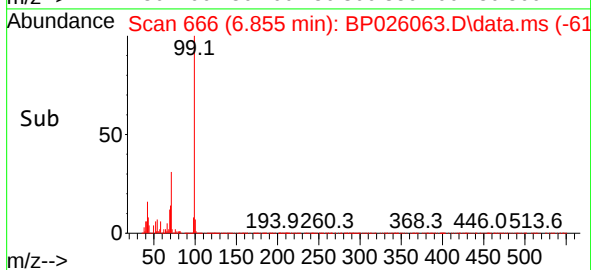
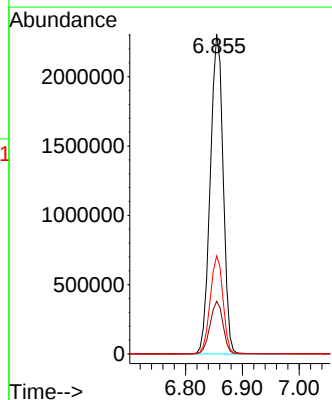
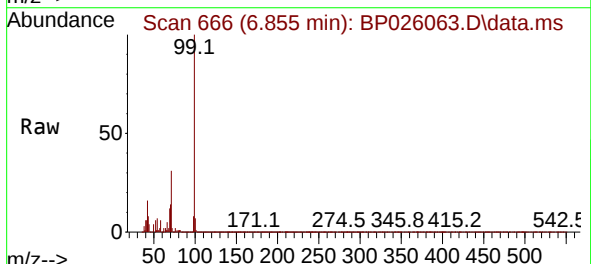
Instrument :
BNA_P
ClientSampleId :
PL-01-103125

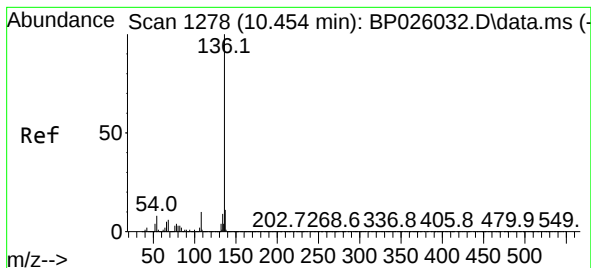
Tgt Ion:112 Resp: 2867779
Ion Ratio Lower Upper
112 100
64 57.8 47.4 71.2
63 29.4 24.2 36.4



#7
Phenol-d6
Concen: 108.708 ng
RT: 6.855 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Tgt Ion: 99 Resp: 3611668
Ion Ratio Lower Upper
99 100
42 16.5 13.7 20.5
71 30.7 24.4 36.6

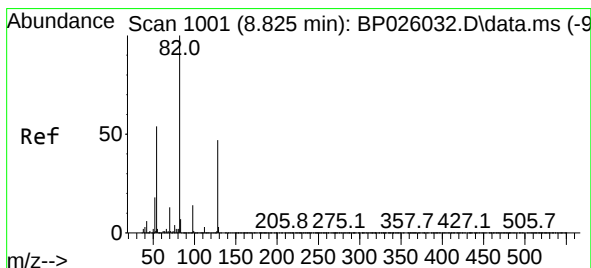
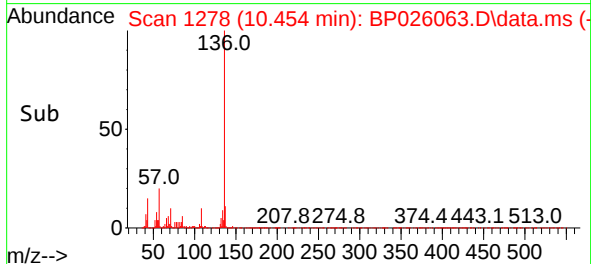
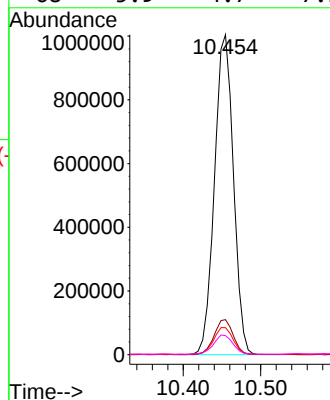
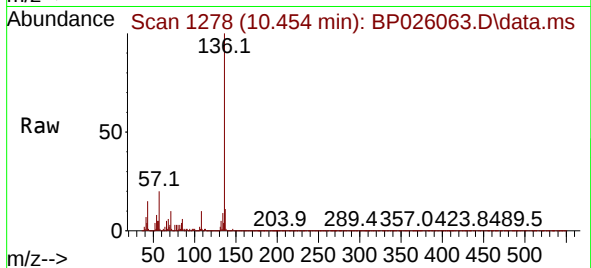




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

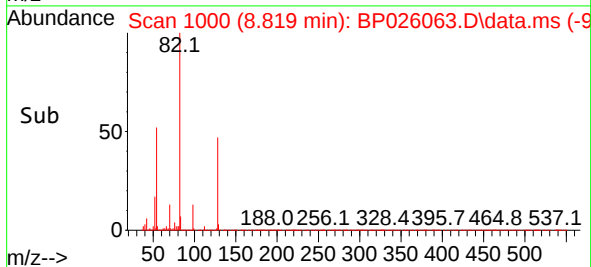
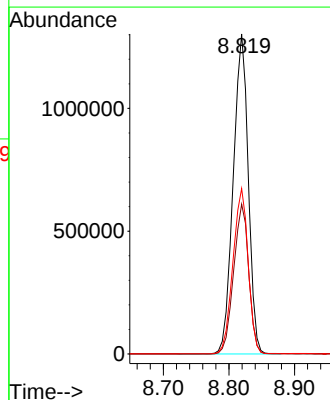
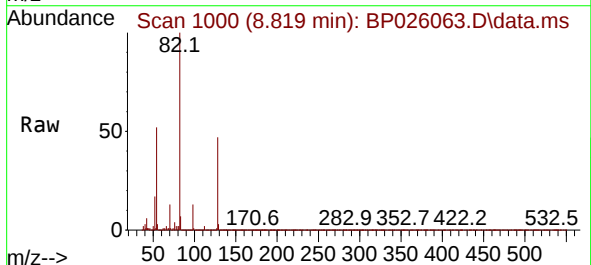
Instrument :
BNA_P
ClientSampleId :
PL-01-103125

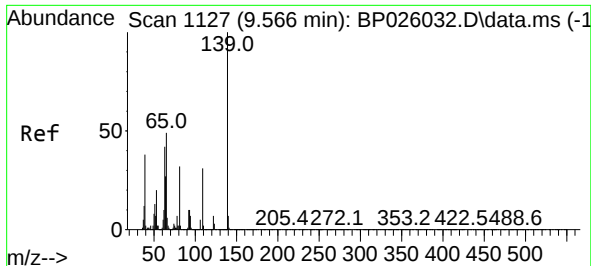
Tgt Ion:136 Resp: 1702766
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.5 6.6 10.0
68 5.9 4.7 7.1



#23
Nitrobenzene-d5
Concen: 76.068 ng
RT: 8.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Tgt Ion: 82 Resp: 2077728
Ion Ratio Lower Upper
82 100
128 46.8 37.4 56.0
54 51.7 42.7 64.1

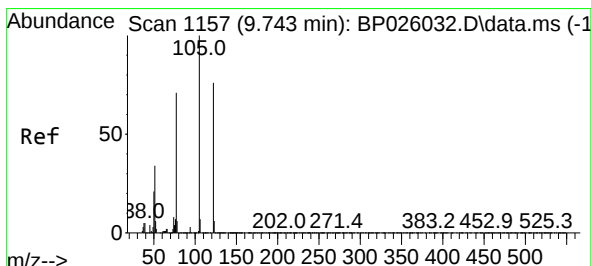
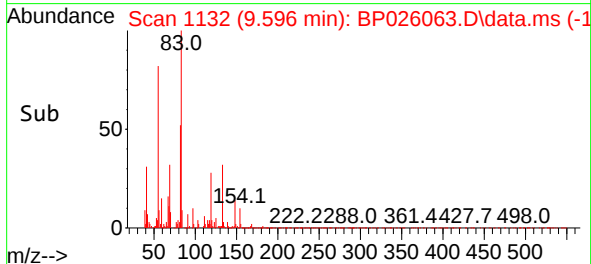
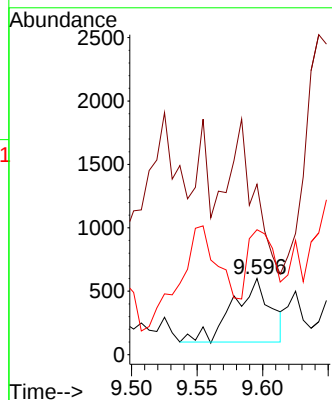
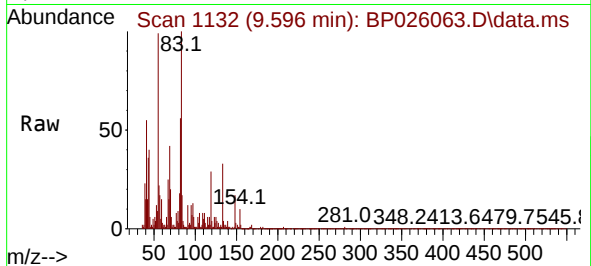




#26
2-Nitrophenol
Concen: 2.767 ng
RT: 9.596 min Scan# 1132
Delta R.T. 0.030 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

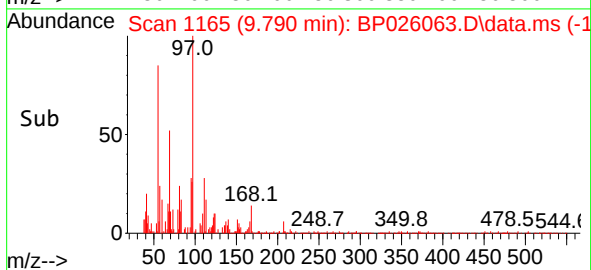
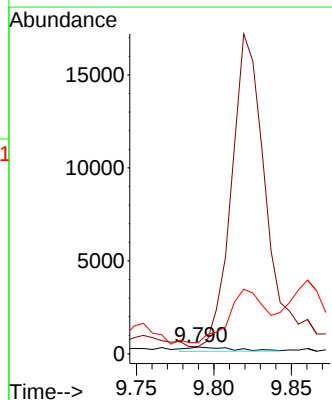
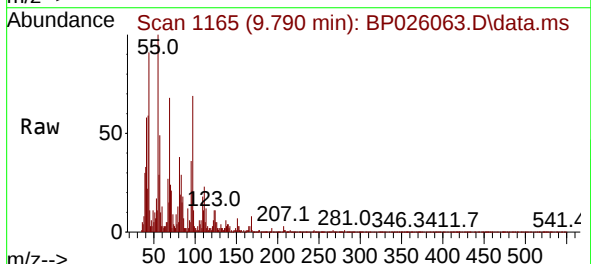
Instrument :
BNA_P
ClientSampleId :
PL-01-103125

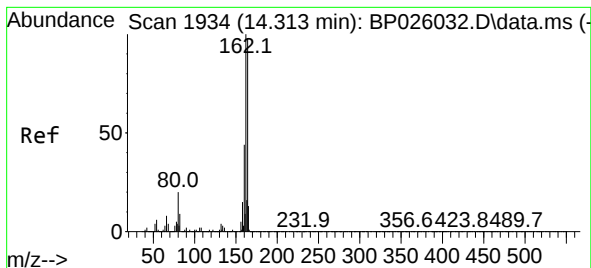
Tgt Ion:139 Resp: 1005
Ion Ratio Lower Upper
139 100
109 224.0 24.8 37.2#
65 164.2 39.0 58.4#



#32
Benzoic acid
Concen: 3.156 ng
RT: 9.790 min Scan# 1165
Delta R.T. 0.012 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Tgt Ion:122 Resp: 464
Ion Ratio Lower Upper
122 100
105 107.0 104.8 144.8
77 164.2 70.9 110.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.313 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

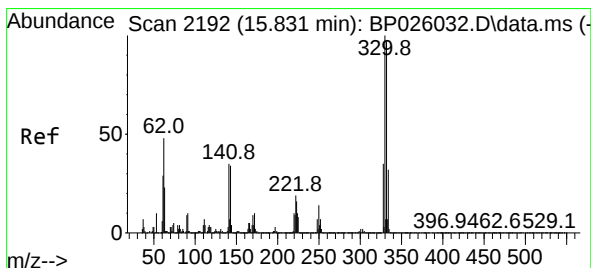
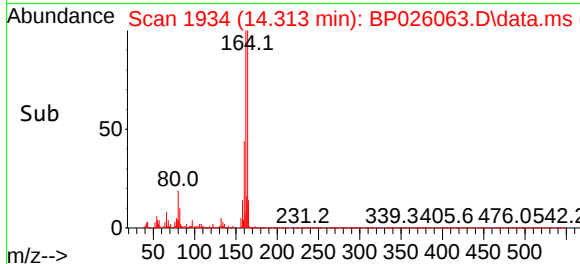
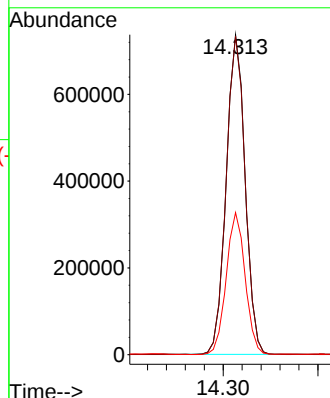
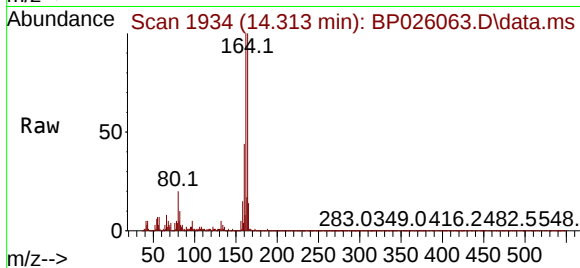
Tgt Ion:164 Resp: 1022185

Ion Ratio Lower Upper

164 100

162 99.6 81.5 122.3

160 44.4 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 118.814 ng

RT: 15.837 min Scan# 2193

Delta R.T. 0.006 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

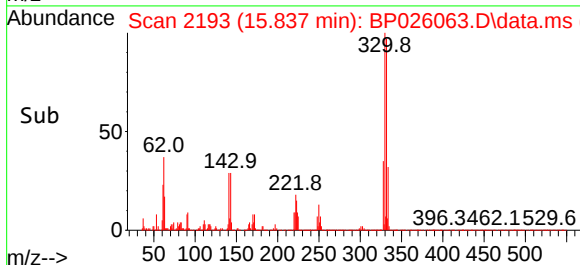
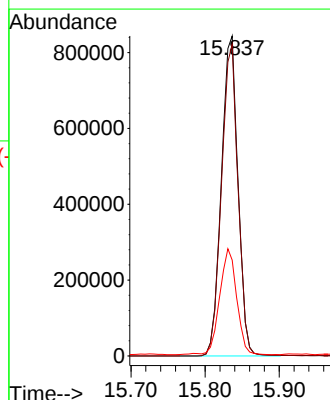
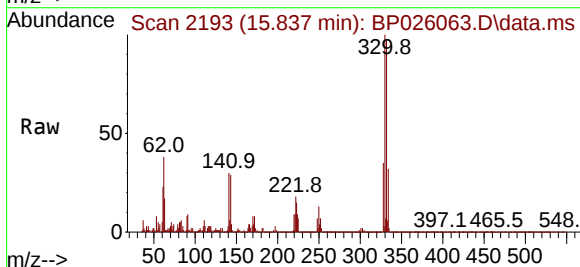
Tgt Ion:330 Resp: 1312991

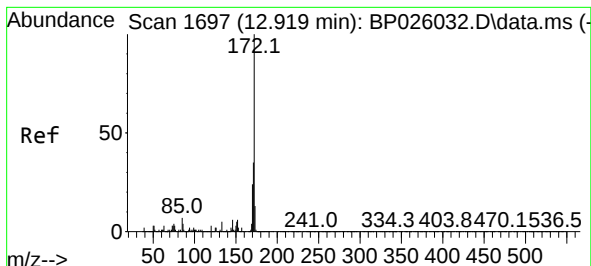
Ion Ratio Lower Upper

330 100

332 96.7 77.3 115.9

141 33.9 28.6 42.8





#45

2-Fluorobiphenyl

Concen: 62.715 ng

RT: 12.931 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

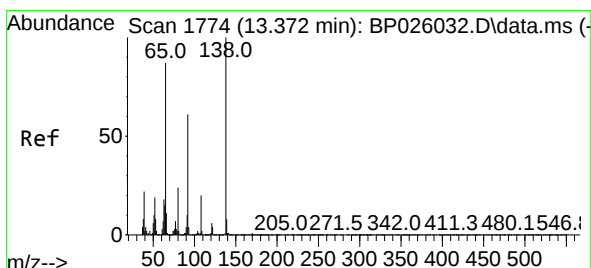
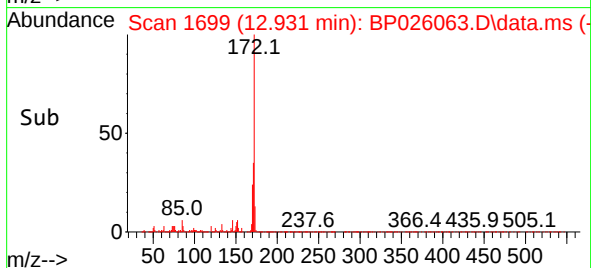
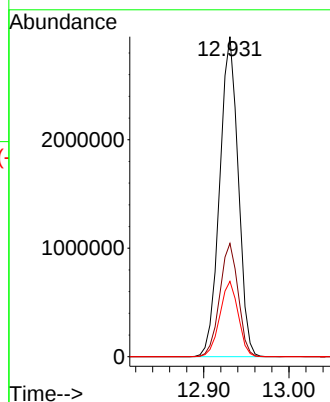
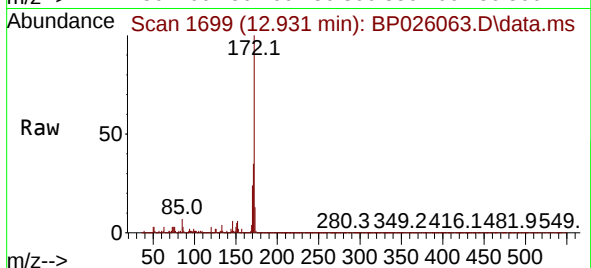
Tgt Ion:172 Resp: 4461377

Ion Ratio Lower Upper

172 100

171 35.4 27.9 41.9

170 23.5 19.0 28.4



#48

2-Nitroaniline

Concen: 3.003 ng

RT: 13.390 min Scan# 1777

Delta R.T. 0.012 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

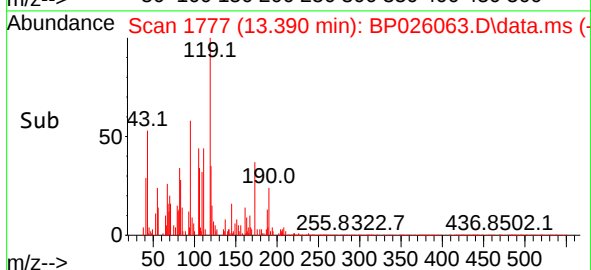
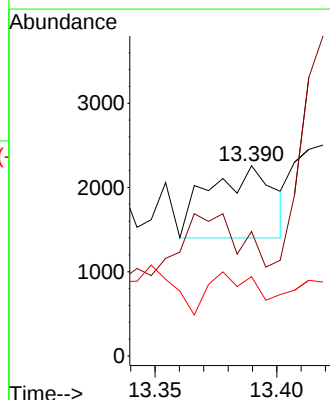
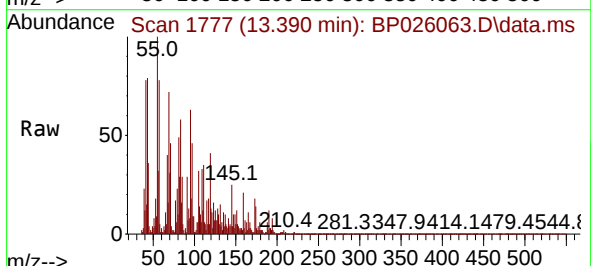
Tgt Ion: 65 Resp: 1574

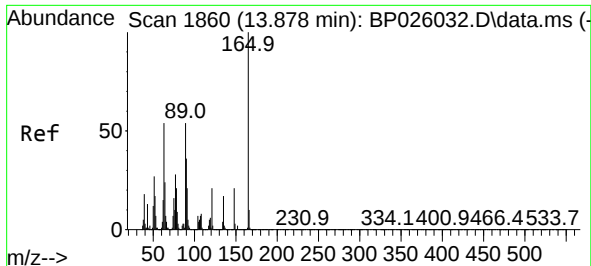
Ion Ratio Lower Upper

65 100

92 65.4 55.5 83.3

138 41.7 91.7 137.5#

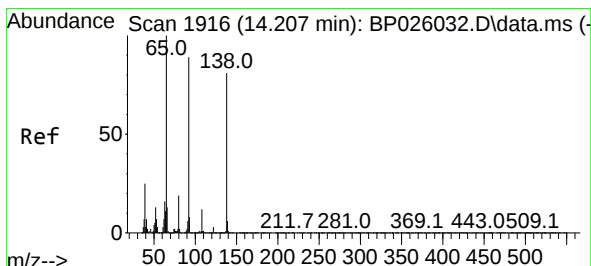
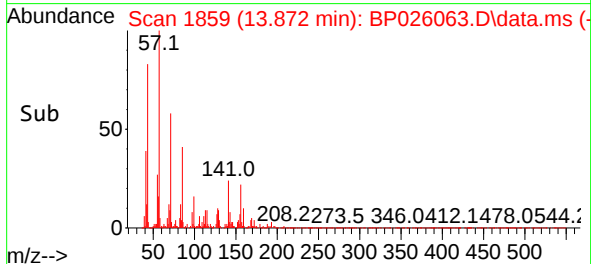
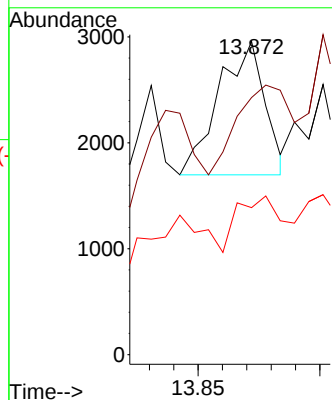
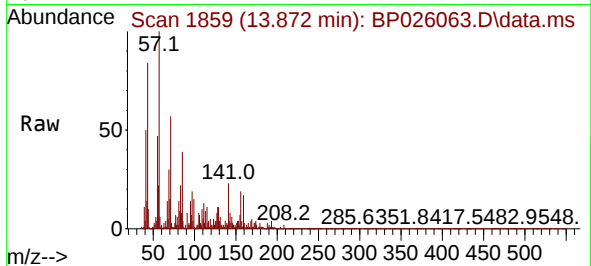




#51
2,6-Dinitrotoluene
Concen: 3.103 ng
RT: 13.872 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

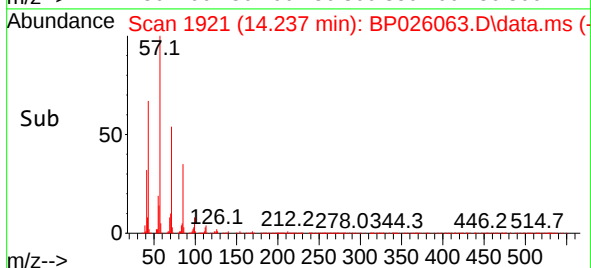
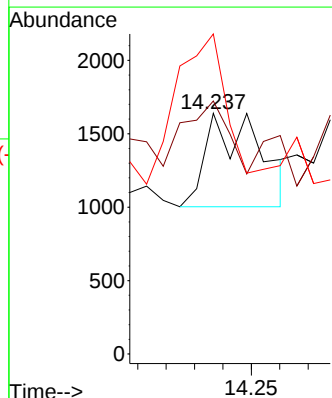
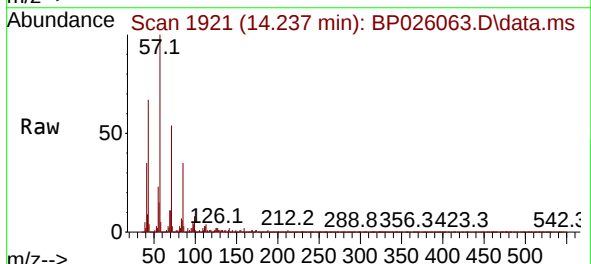
Instrument :
BNA_P
ClientSampleId :
PL-01-103125

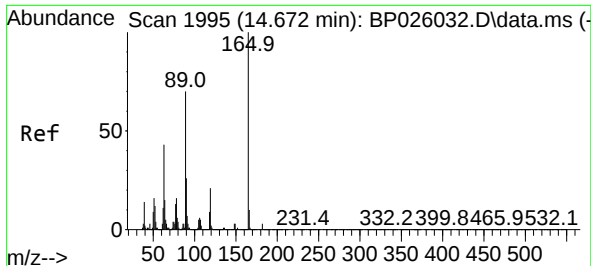
Tgt Ion:165 Resp: 1659
Ion Ratio Lower Upper
165 100
63 82.1 43.0 64.4#
89 46.9 43.0 64.4



#53
3-Nitroaniline
Concen: 2.684 ng
RT: 14.237 min Scan# 1921
Delta R.T. 0.030 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Tgt Ion:138 Resp: 829
Ion Ratio Lower Upper
138 100
108 105.1 11.4 17.0#
92 133.0 87.1 130.7#



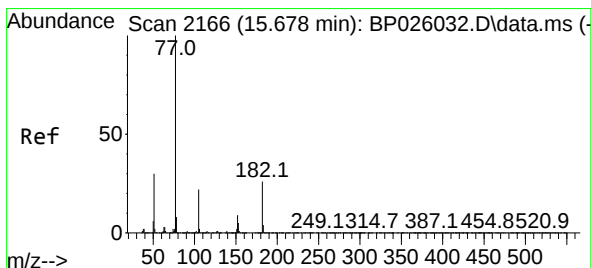
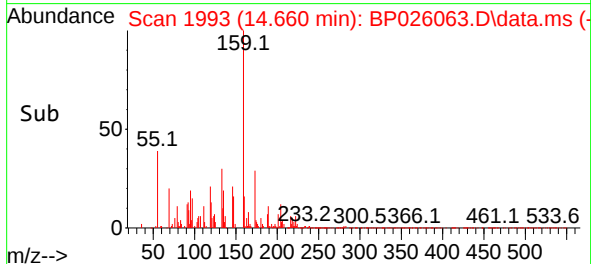
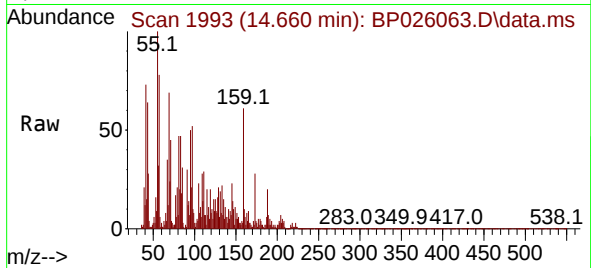
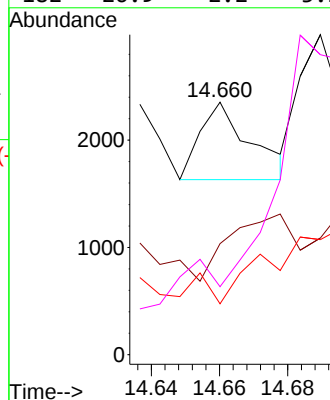


#57
2,4-Dinitrotoluene
Concen: 3.121 ng
RT: 14.660 min Scan# 1995
Delta R.T. -0.018 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Instrument :
BNA_P
ClientSampleId :
PL-01-103125

Tgt Ion:165 Resp: 736

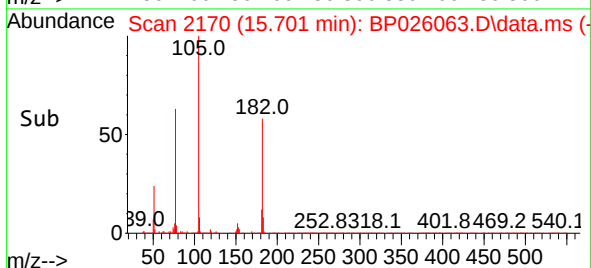
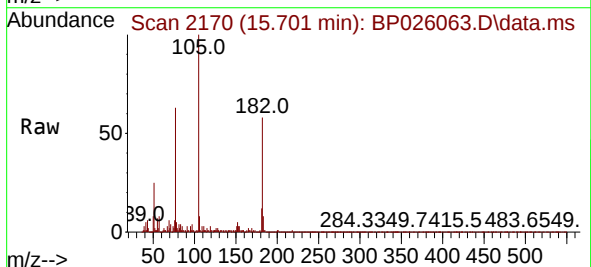
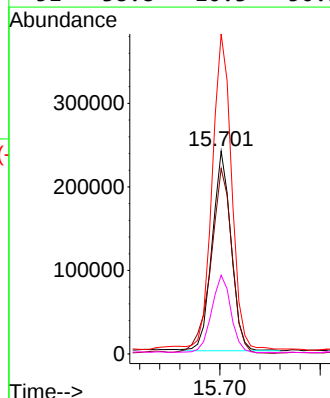
Ion	Ratio	Lower	Upper
165	100		
63	44.0	34.2	51.2
89	20.2	56.0	84.0#
182	26.9	2.2	3.2#

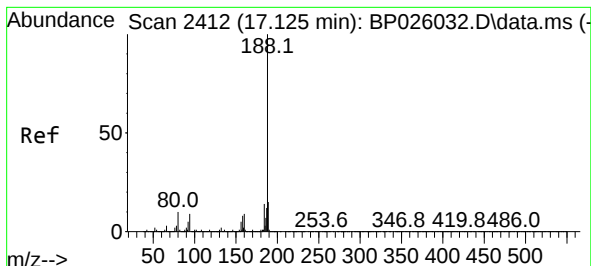


#63
Azobenzene
Concen: 4.619 ng
RT: 15.701 min Scan# 2170
Delta R.T. 0.012 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Tgt Ion: 77 Resp: 312891

Ion	Ratio	Lower	Upper
77	100		
182	91.4	6.4	46.4#
105	157.7	2.2	42.2#
51	38.8	10.3	50.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.125 min Scan# 2412

Delta R.T. 0.000 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

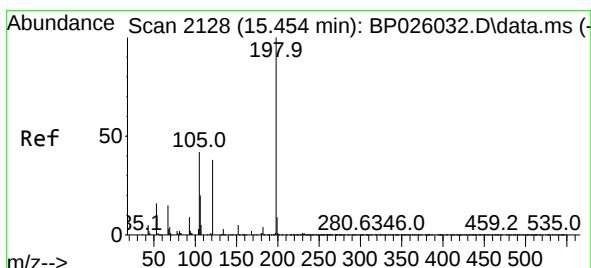
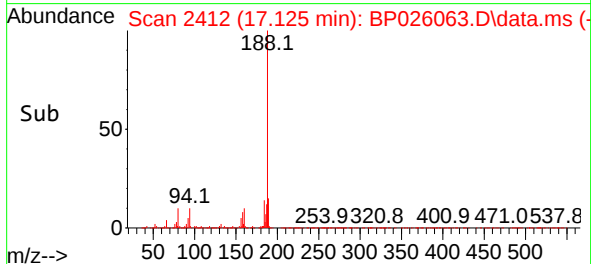
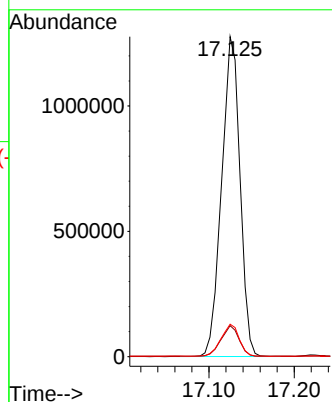
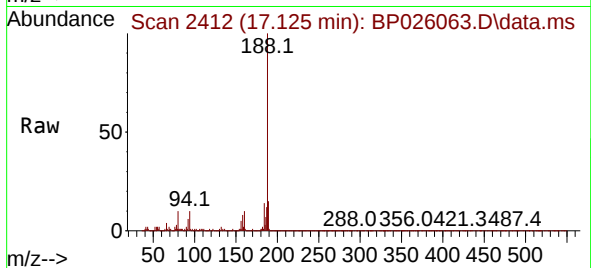
Tgt Ion:188 Resp: 1909534

Ion Ratio Lower Upper

188 100

94 9.7 7.1 10.7

80 10.2 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 2.034 ng

RT: 15.431 min Scan# 2124

Delta R.T. -0.023 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

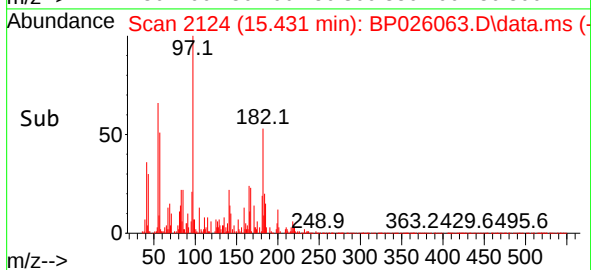
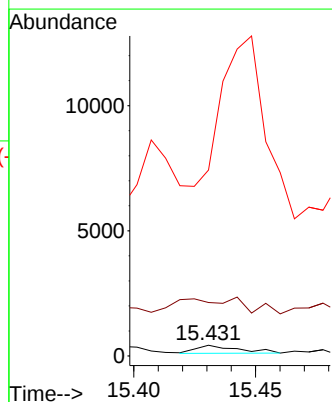
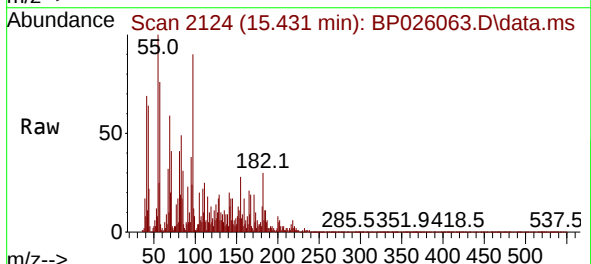
Tgt Ion:198 Resp: 383

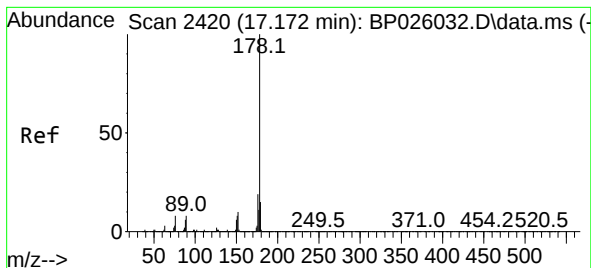
Ion Ratio Lower Upper

198 100

51 500.9 25.2 65.2#

105 1744.4 23.7 63.7#





#71

Phenanthrene

Concen: 12.515 ng

RT: 17.166 min Scan# 2419

Delta R.T. -0.006 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

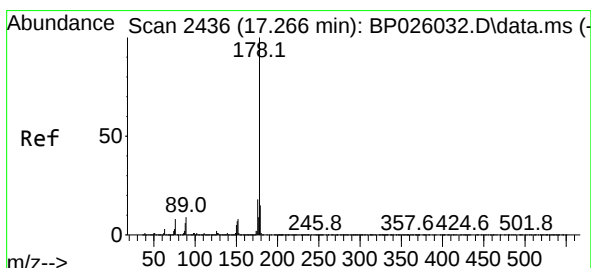
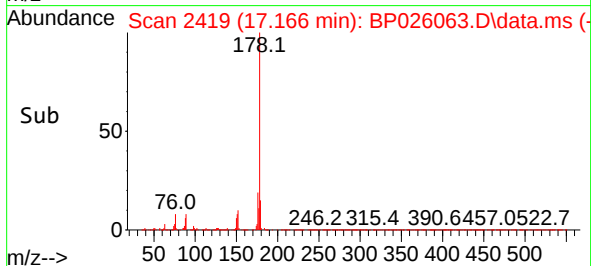
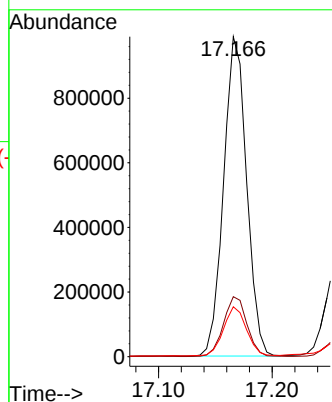
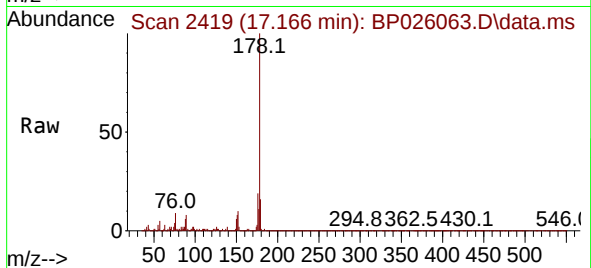
Tgt Ion:178 Resp: 1390946

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 15.6 12.3 18.5



#72

Anthracene

Concen: 4.066 ng

RT: 17.260 min Scan# 2435

Delta R.T. -0.000 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

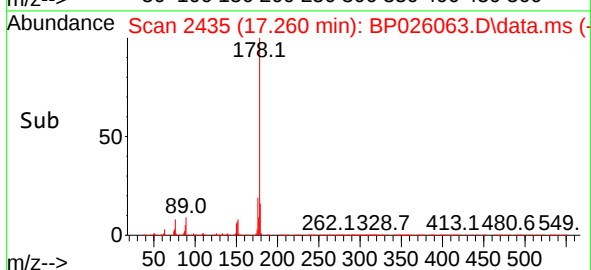
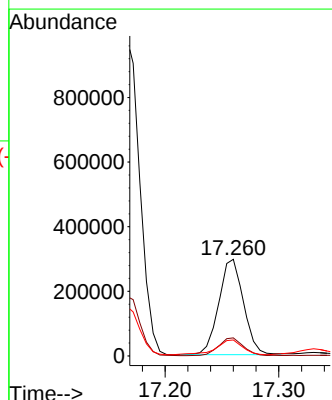
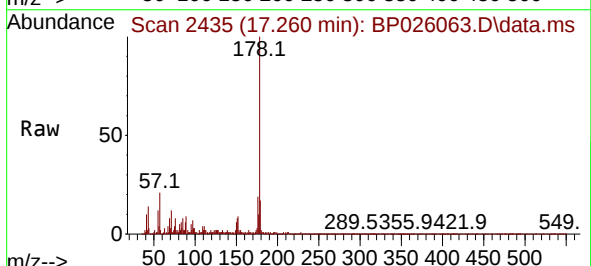
Tgt Ion:178 Resp: 447994

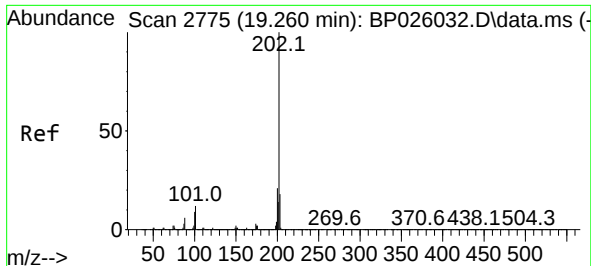
Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

179 16.6 12.2 18.4

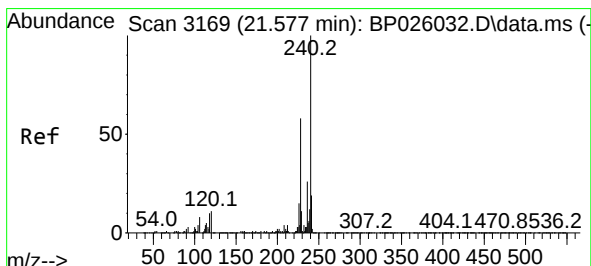
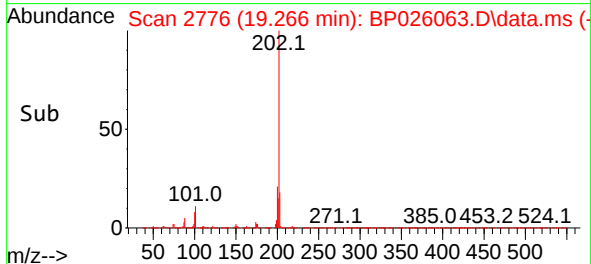
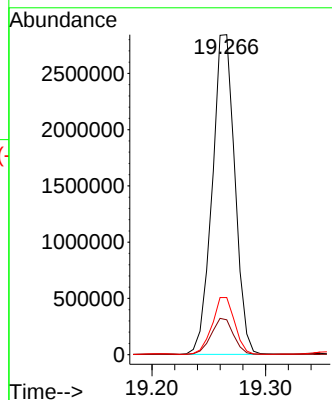
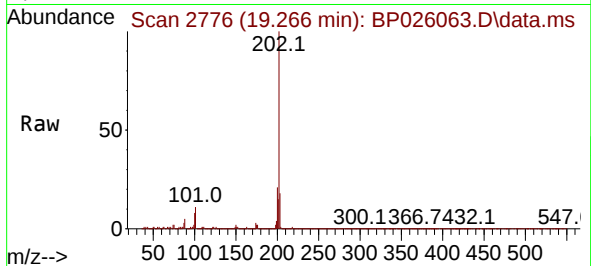




#75
Fluoranthene
Concen: 30.319 ng
RT: 19.266 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

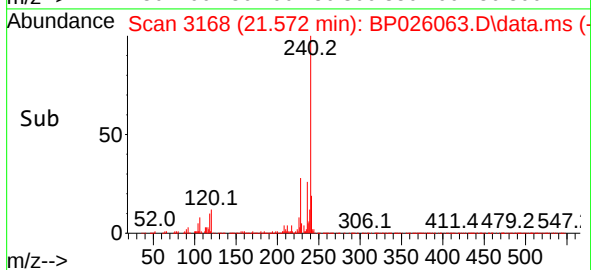
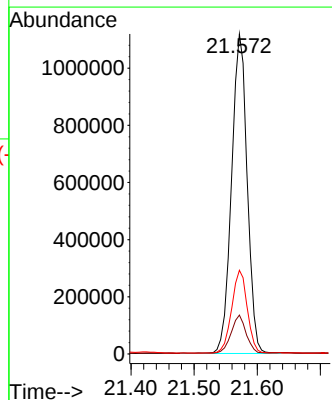
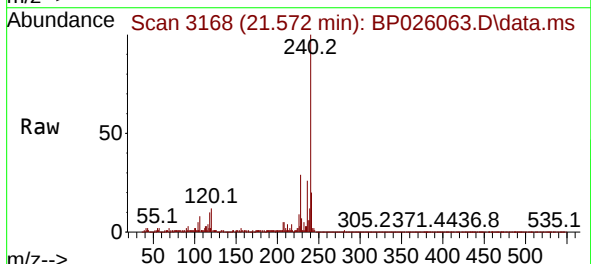
Instrument :
BNA_P
ClientSampleId :
PL-01-103125

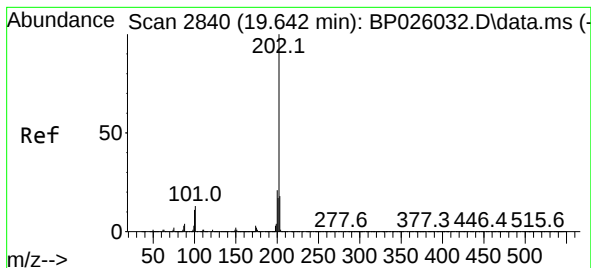
Tgt Ion:202 Resp: 3930865
Ion Ratio Lower Upper
202 100
101 10.9 0.0 32.1
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3168
Delta R.T. 0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Tgt Ion:240 Resp: 1922161
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 26.1 20.6 31.0





#78

Pyrene

Concen: 28.000 ng

RT: 19.642 min Scan# 2840

Delta R.T. 0.006 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

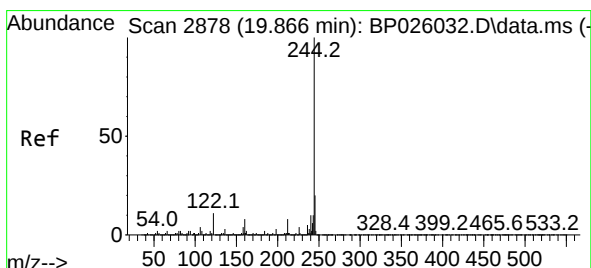
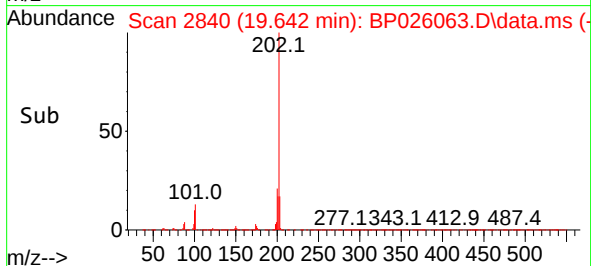
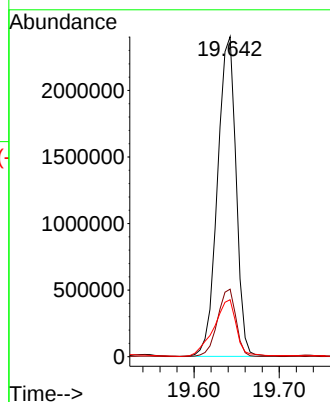
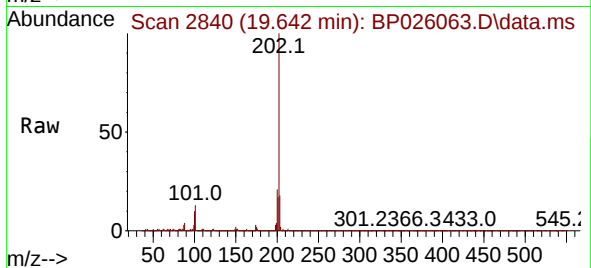
Tgt Ion:202 Resp: 3640150

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

203 17.8 14.0 21.0



#79

Terphenyl-d14

Concen: 60.885 ng

RT: 19.866 min Scan# 2878

Delta R.T. 0.000 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

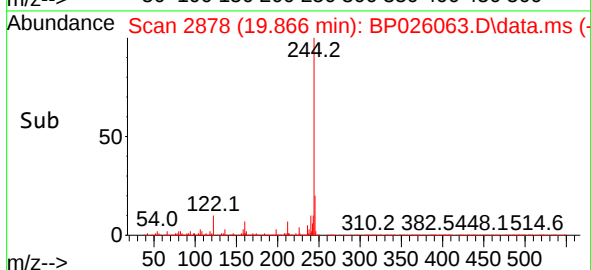
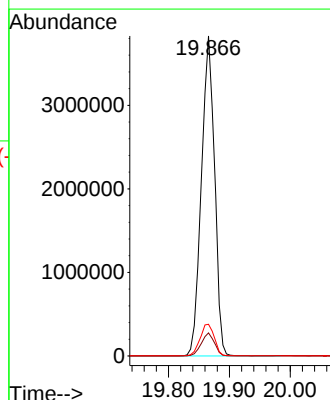
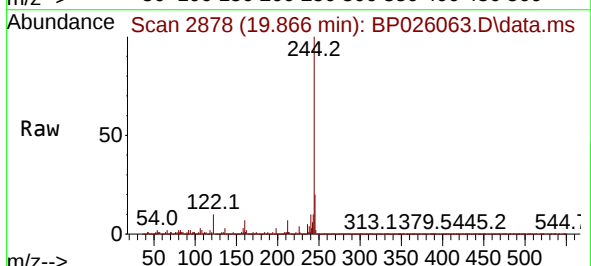
Tgt Ion:244 Resp: 5760247

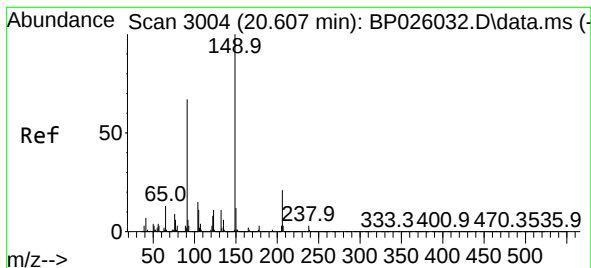
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.9 9.0 13.6





#80

Butylbenzylphthalate

Concen: 3.423 ng

RT: 20.630 min Scan# 3008

Delta R.T. 0.023 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

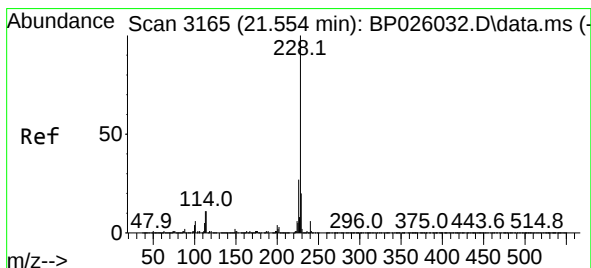
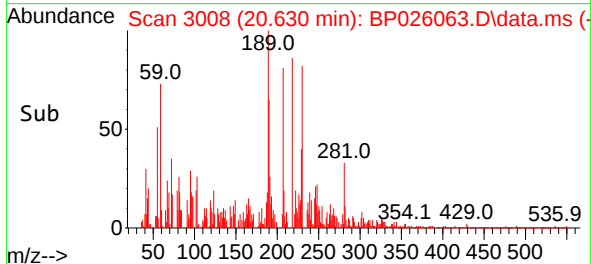
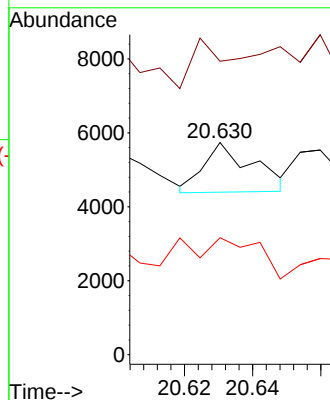
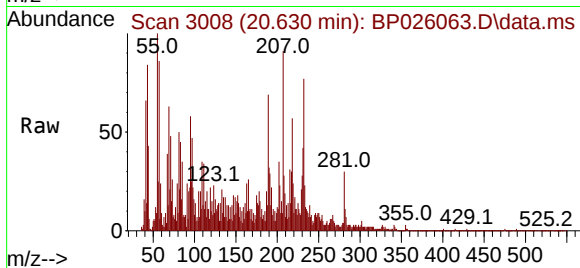
Tgt Ion:149 Resp: 1334

Ion Ratio Lower Upper

149 100

91 138.3 53.5 80.3#

206 55.1 16.6 25.0#



#81

Benzo(a)anthracene

Concen: 17.817 ng

RT: 21.554 min Scan# 3165

Delta R.T. 0.006 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

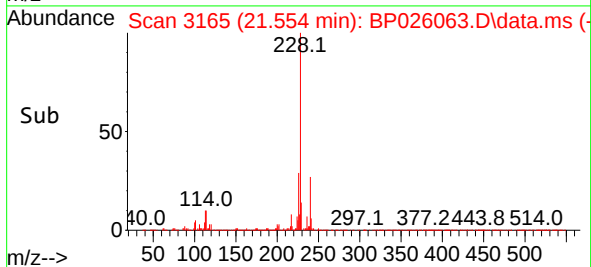
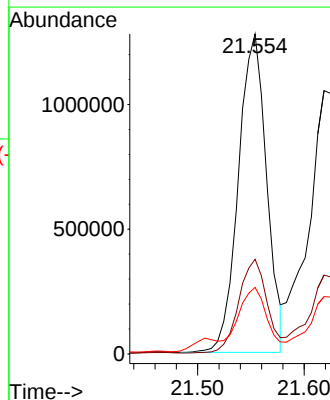
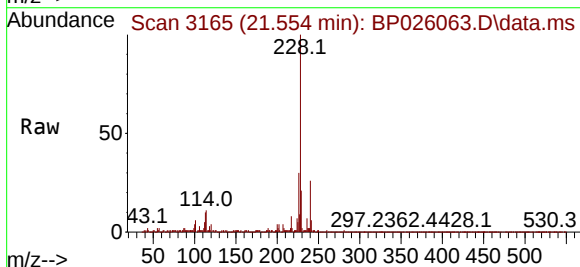
Tgt Ion:228 Resp: 2353371

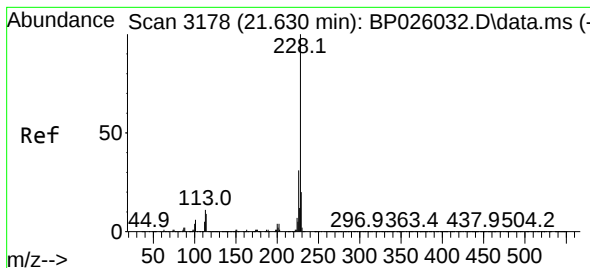
Ion Ratio Lower Upper

228 100

226 29.6 21.7 32.5

229 20.8 15.8 23.8





#83

Chrysene

Concen: 16.800 ng

RT: 21.619 min Scan# 3176

Delta R.T. 0.000 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

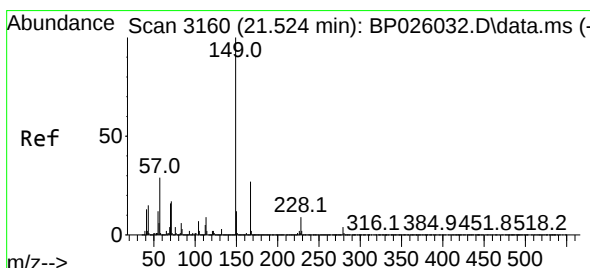
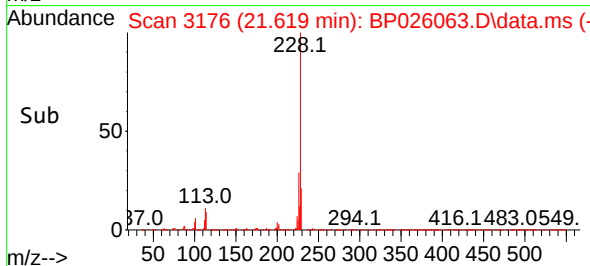
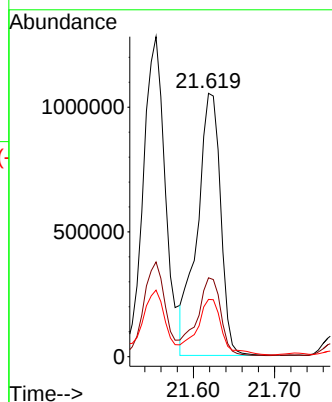
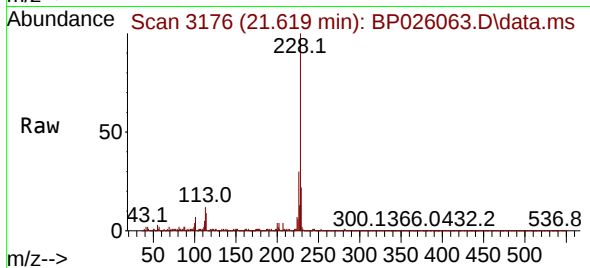
Tgt Ion:228 Resp: 2101993

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 21.8 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.772 ng

RT: 21.519 min Scan# 3159

Delta R.T. 0.001 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

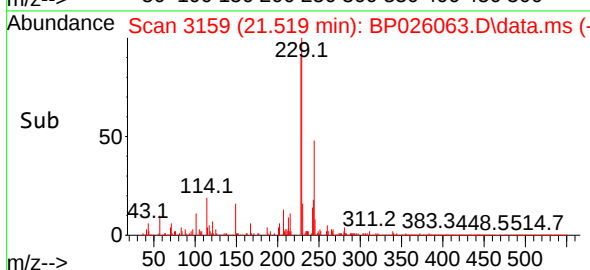
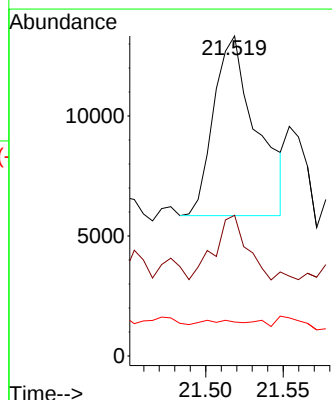
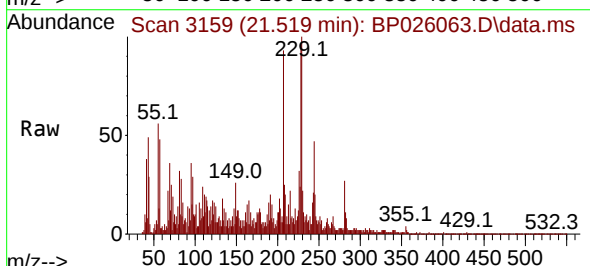
Tgt Ion:149 Resp: 14282

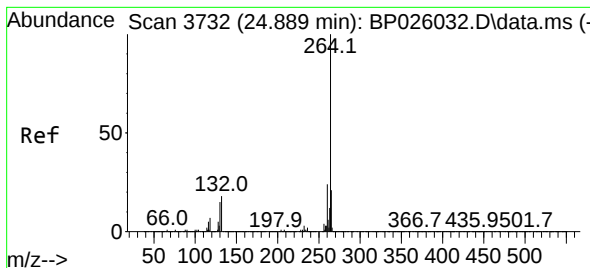
Ion Ratio Lower Upper

149 100

167 43.9 21.5 32.3#

279 10.6 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.901 min Scan# 31

Delta R.T. 0.018 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

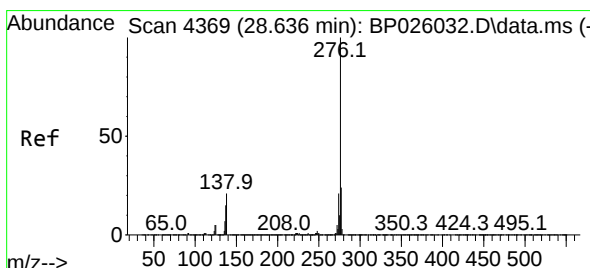
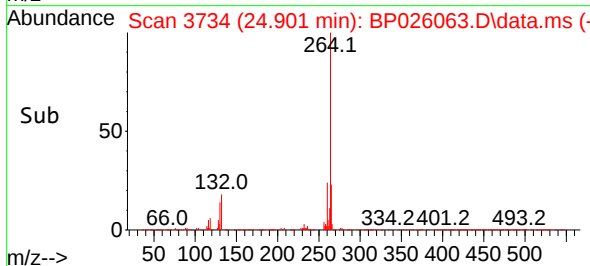
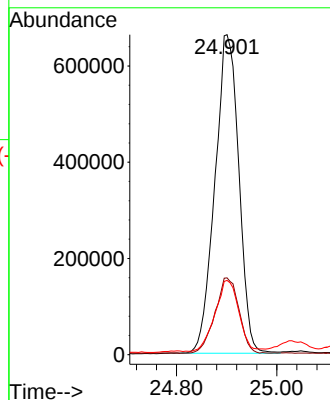
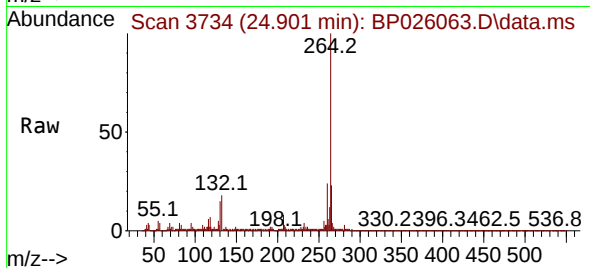
Tgt Ion:264 Resp: 2193532

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

265 23.2 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.740 ng

RT: 28.665 min Scan# 4374

Delta R.T. 0.006 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

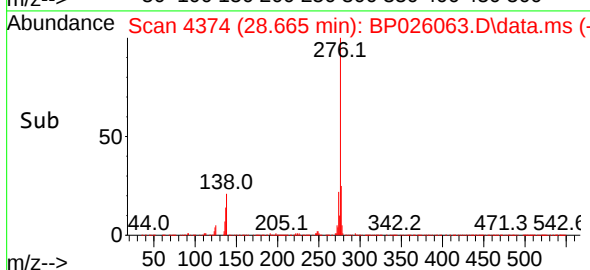
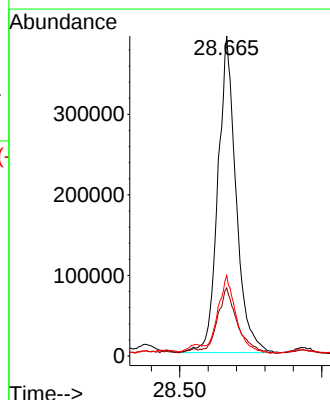
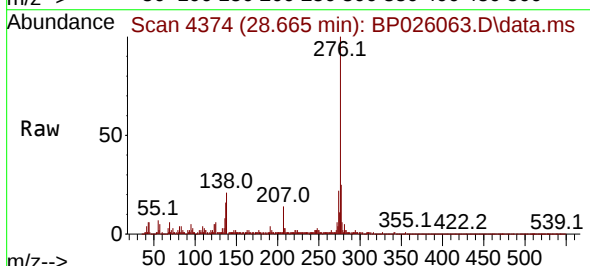
Tgt Ion:276 Resp: 1739274

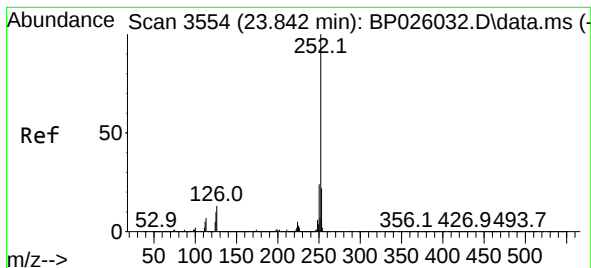
Ion Ratio Lower Upper

276 100

138 22.4 13.2 19.8#

277 24.7 16.3 24.5#





#88

Benzo(b)fluoranthene

Concen: 23.078 ng

RT: 23.848 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

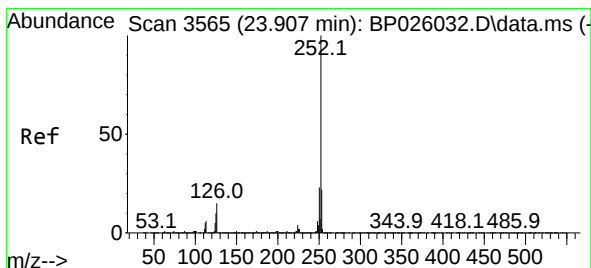
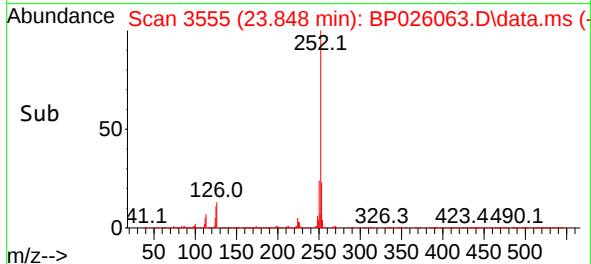
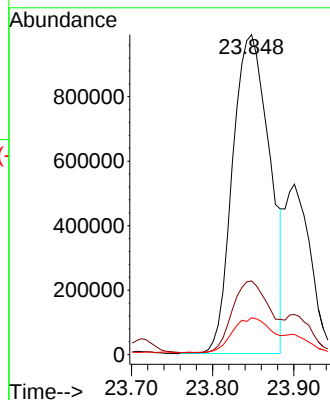
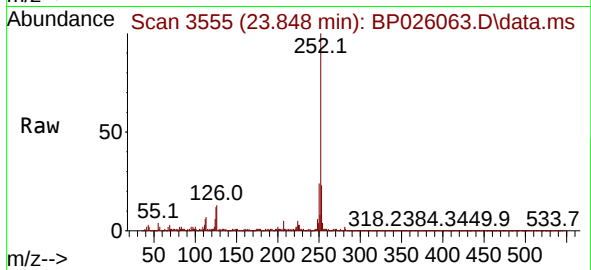
Tgt Ion:252 Resp: 3142552

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 11.5 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 22.599 ng

RT: 23.848 min Scan# 3555

Delta R.T. -0.076 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

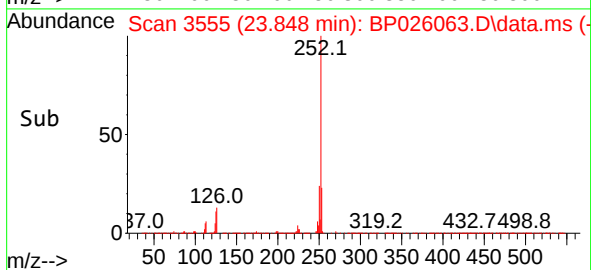
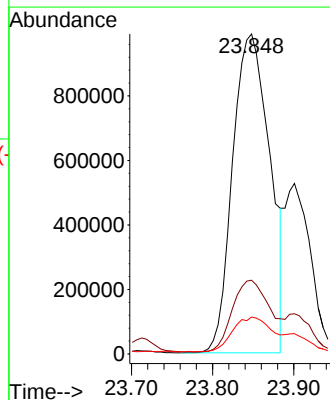
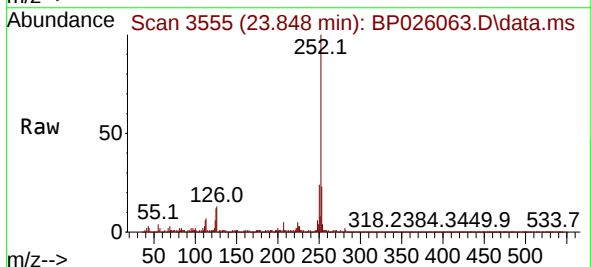
Tgt Ion:252 Resp: 3142552

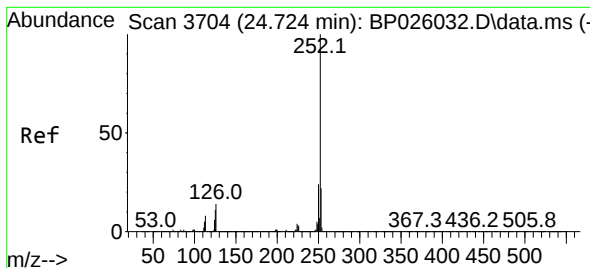
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 11.5 8.1 12.1





#90

Benzo(a)pyrene

Concen: 17.947 ng

RT: 24.730 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

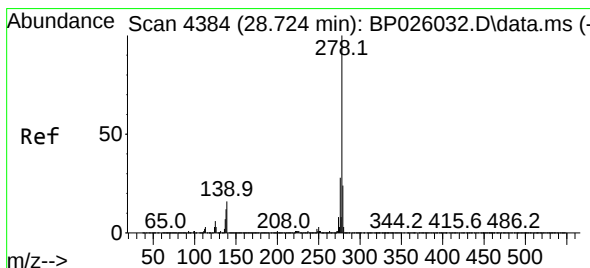
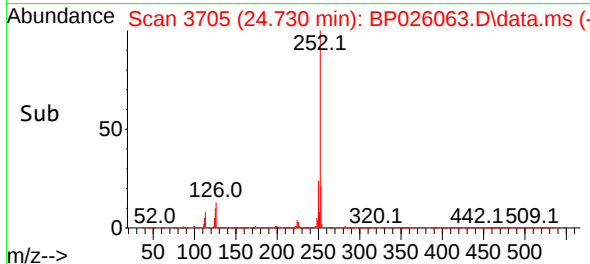
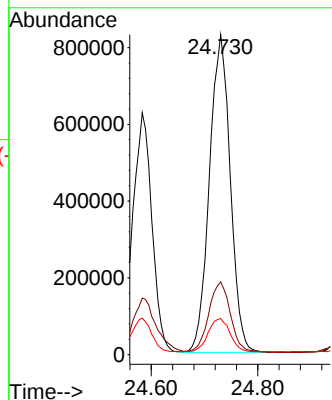
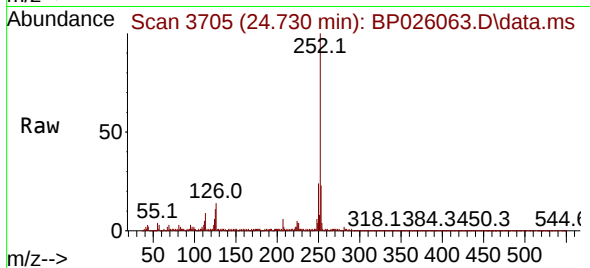
Tgt Ion:252 Resp: 2245262

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 11.3 9.1 13.7



#91

Dibenzo(a,h)anthracene

Concen: 3.400 ng

RT: 28.736 min Scan# 4386

Delta R.T. -0.012 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

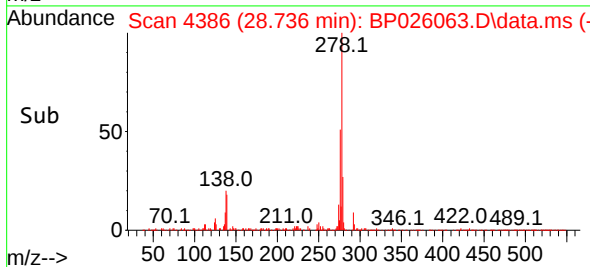
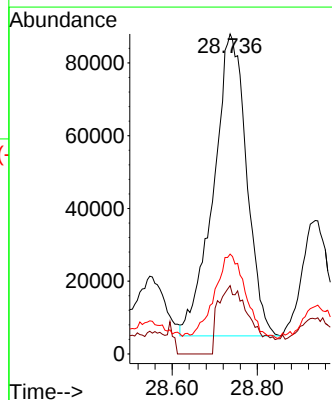
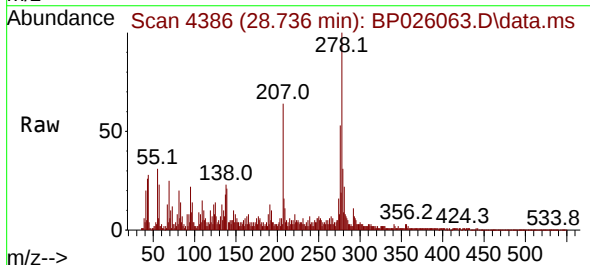
Tgt Ion:278 Resp: 448017

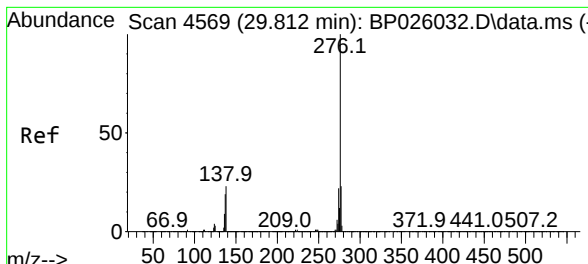
Ion Ratio Lower Upper

278 100

139 21.3 13.0 19.6#

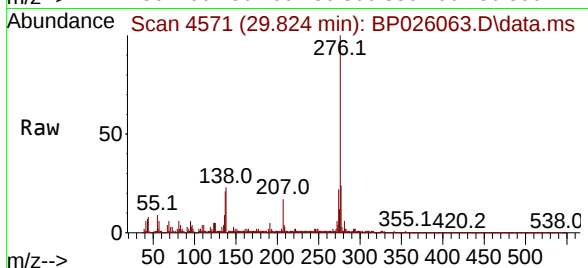
279 31.2 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 13.253 ng
RT: 29.824 min Scan# 4571
Delta R.T. -0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Instrument :
BNA_P
ClientSampleId :
PL-01-103125



Tgt Ion: 276 Resp: 1680727
Ion Ratio Lower Upper
276 100
277 24.1 18.5 27.7
138 23.4 18.1 27.1

