

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025881.D
 Acq On : 29 Sep 2025 15:04
 Operator : CG/JU
 Sample : Q3209-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-02-092525

Quant Time: Sep 29 15:35:48 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)

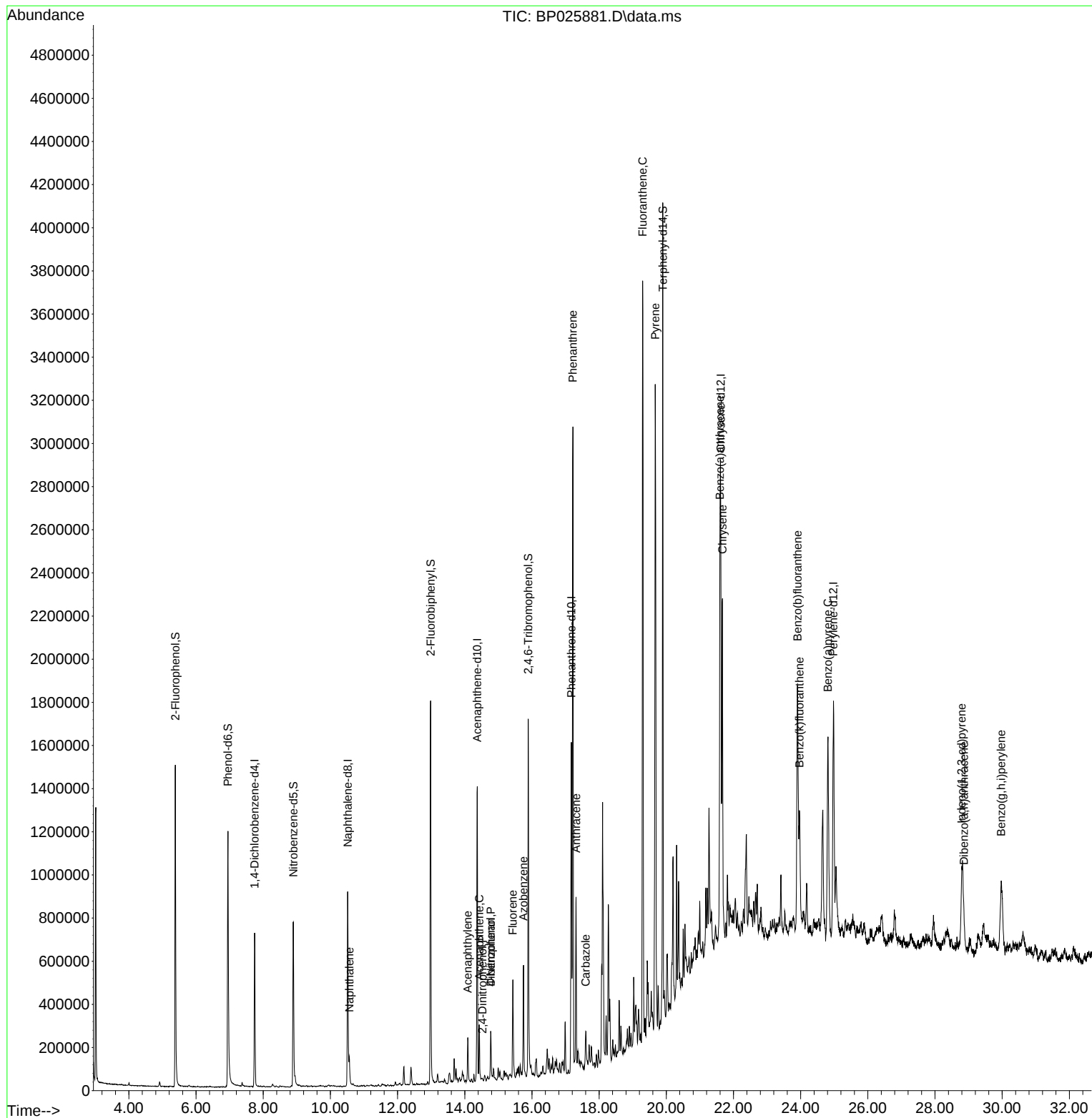
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	204829	20.000	ng	-0.02
21) Naphthalene-d8	10.513	136	782210	20.000	ng	-0.01
39) Acenaphthene-d10	14.372	164	514127	20.000	ng	0.00
64) Phenanthrene-d10	17.172	188	994782	20.000	ng	-0.01
76) Chrysene-d12	21.619	240	1006029	20.000	ng	-0.02
86) Perylene-d12	24.977	264	1168451	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	727491	57.308	ng	0.00
7) Phenol-d6	6.949	99	879818	52.143	ng	0.00
23) Nitrobenzene-d5	8.896	82	537787	30.327	ng	0.00
42) 2,4,6-Tribromophenol	15.889	330	343273	53.530	ng	-0.02
45) 2-Fluorobiphenyl	12.984	172	1129676	29.257	ng	0.00
79) Terphenyl-d14	19.895	244	1760961	31.490	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.560	128	101134	2.398	ng	97
49) Acenaphthylene	14.090	152	151413	3.075	ng	97
52) Acenaphthene	14.431	154	87661	3.087	ng	98
54) 2,4-Dinitrophenol	14.525	184	33	4.830	ng	# 1
55) Dibenzofuran	14.772	168	147446	3.186	ng	95
56) 4-Nitrophenol	14.772	139	55550	11.445	ng	# 5
58) Fluorene	15.431	166	238145	6.472	ng	98
63) Azobenzene	15.748	77	134774	3.501	ng	# 1
71) Phenanthrene	17.219	178	2027846	35.936	ng	99
72) Anthracene	17.313	178	526580	9.197	ng	100
73) Carbazole	17.601	167	139005	2.611	ng	100
75) Fluoranthene	19.295	202	2758171	40.755	ng	99
78) Pyrene	19.672	202	2468437	36.772	ng	98
81) Benzo(a)anthracene	21.595	228	1238380	17.980	ng	97
83) Chrysene	21.672	228	1130345	17.216	ng	98
87) Indeno(1,2,3-cd)pyrene	28.795	276	720371	8.478	ng	# 76
88) Benzo(b)fluoranthene	23.907	252	1409743	19.730	ng	98
89) Benzo(k)fluoranthene	23.966	252	540590	7.414	ng	95
90) Benzo(a)pyrene	24.813	252	1104689	15.787	ng	96
91) Dibenzo(a,h)anthracene	28.859	278	187762	2.700	ng	# 93
92) Benzo(g,h,i)perylene	29.971	276	684705	10.013	ng	98

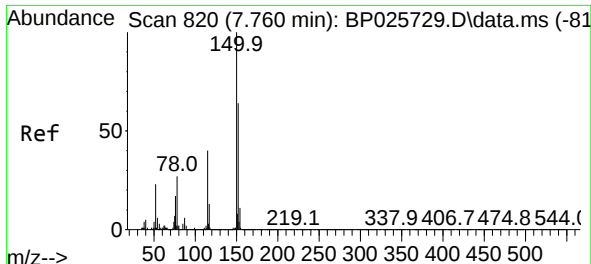
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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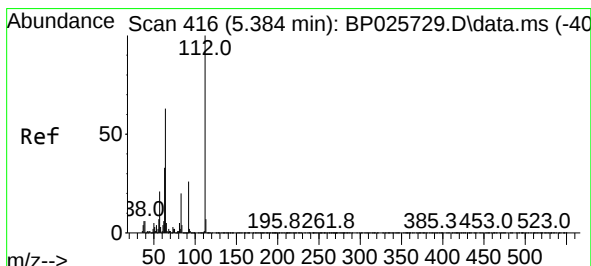
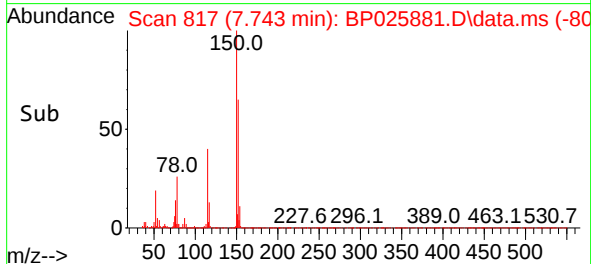
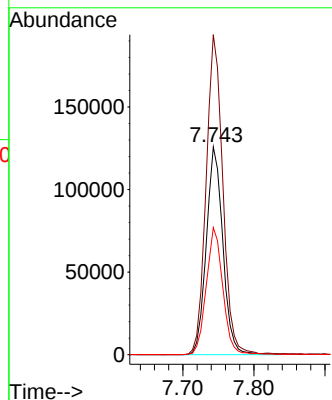
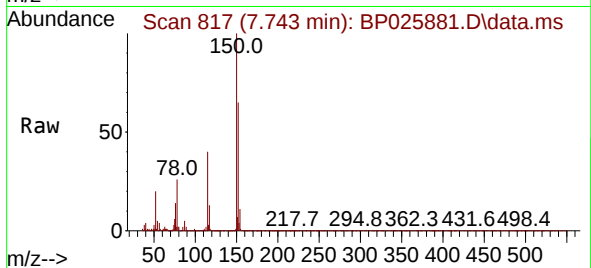




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

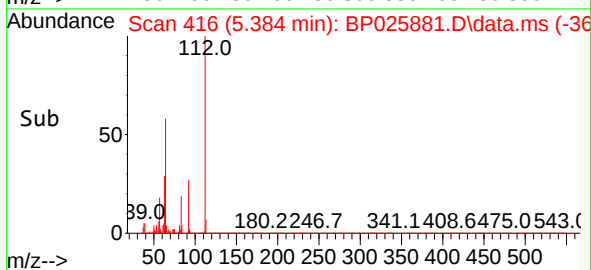
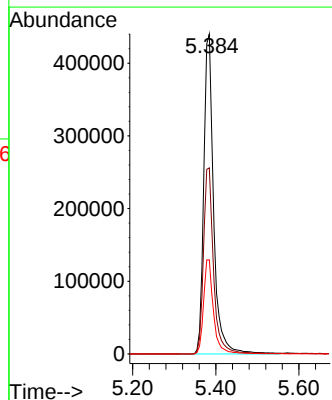
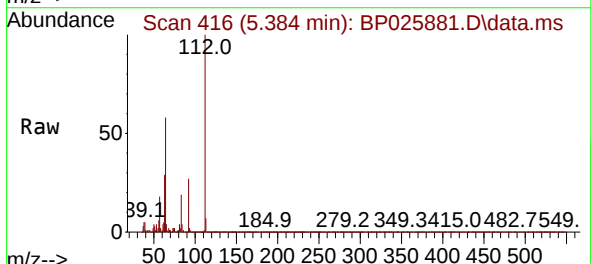
Instrument :
BNA_P
ClientSampleId :
PL-02-092525

Tgt Ion:152 Resp: 204829
Ion Ratio Lower Upper
152 100
150 153.9 124.3 186.5
115 61.1 50.3 75.5



#5
2-Fluorophenol
Concen: 57.308 ng
RT: 5.384 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

Tgt Ion:112 Resp: 727491
Ion Ratio Lower Upper
112 100
64 58.1 50.2 75.4
63 29.4 26.7 40.1

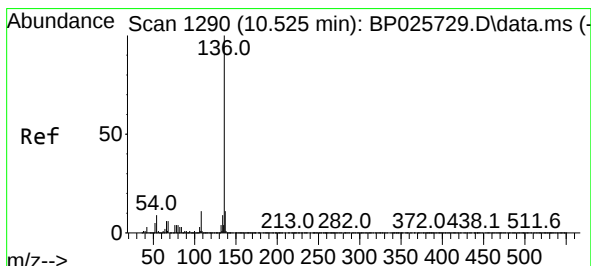
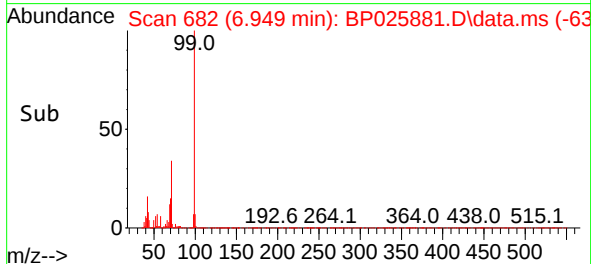
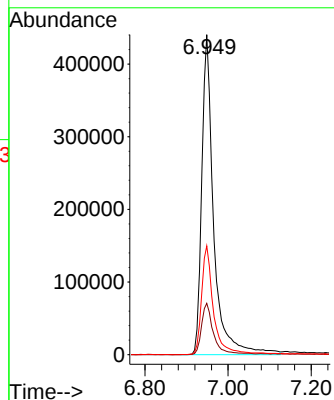
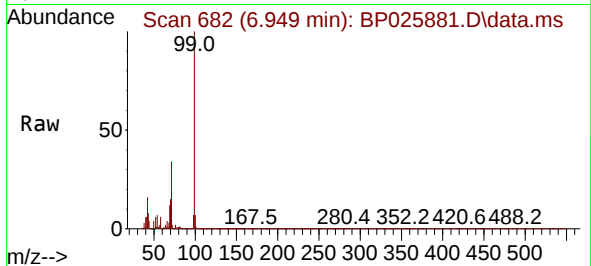




#7
Phenol-d6
Concen: 52.143 ng
RT: 6.949 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

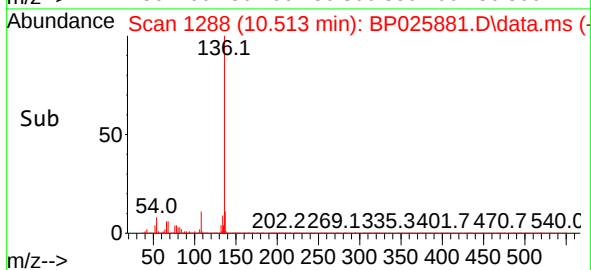
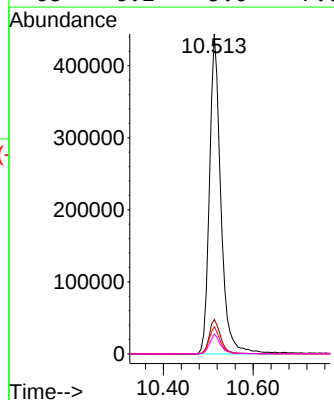
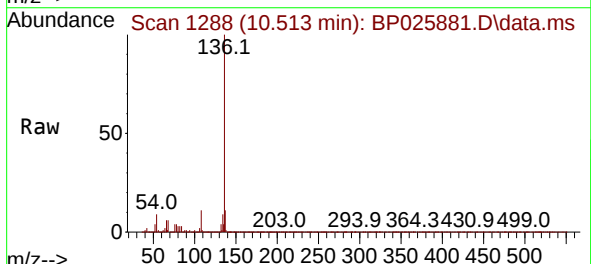
Instrument :
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ClientSampleId :
PL-02-092525

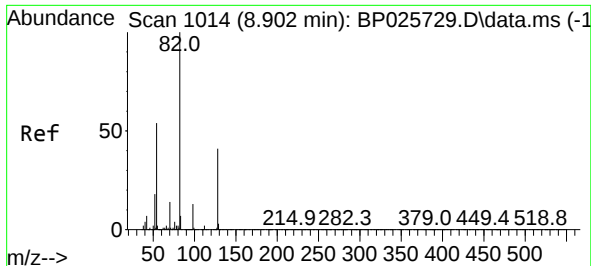
Tgt Ion: 99 Resp: 879818
Ion Ratio Lower Upper
99 100
42 16.1 15.6 23.4
71 34.0 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.513 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

Tgt Ion: 136 Resp: 782210
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.5 7.5 11.3
68 6.2 5.0 7.6

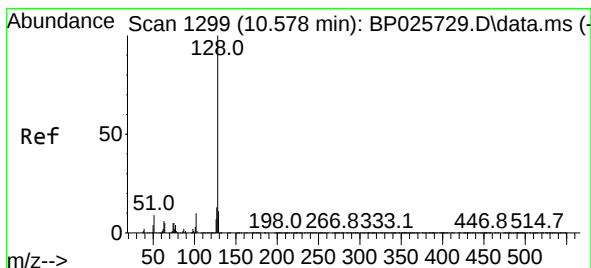
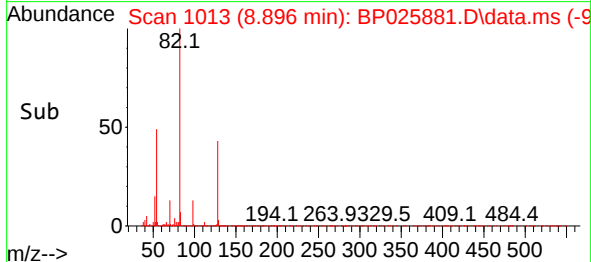
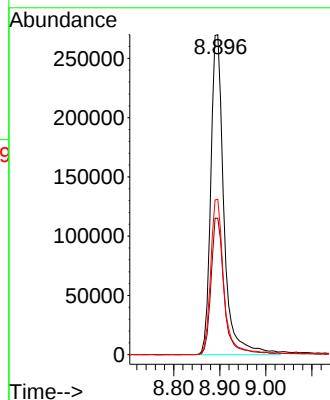
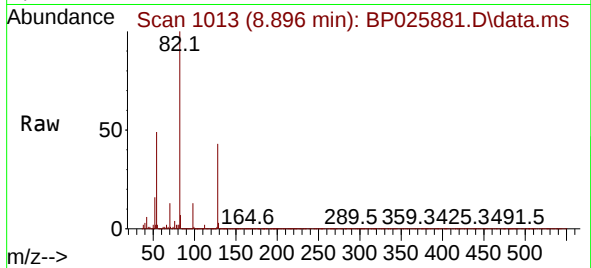




#23
 Nitrobenzene-d5
 Concen: 30.327 ng
 RT: 8.896 min Scan# 1013
 Delta R.T. -0.006 min
 Lab File: BP025881.D
 Acq: 29 Sep 2025 15:04

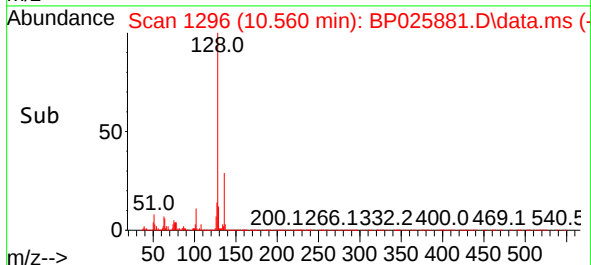
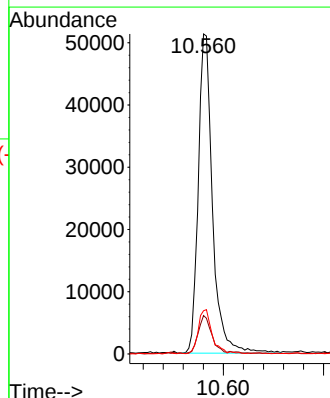
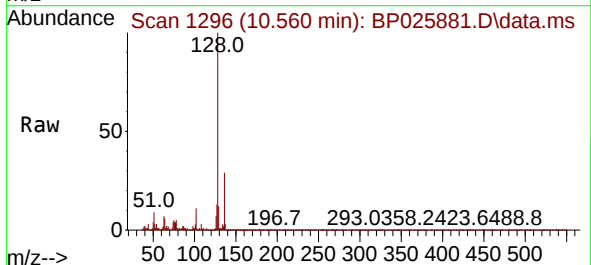
Instrument :
 BNA_P
 ClientSampleId :
 PL-02-092525

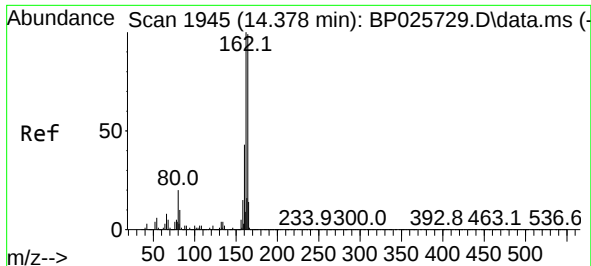
Tgt Ion: 82 Resp: 537787
 Ion Ratio Lower Upper
 82 100
 128 42.7 32.9 49.3
 54 48.6 43.4 65.2



#31
 Naphthalene
 Concen: 2.398 ng
 RT: 10.560 min Scan# 1296
 Delta R.T. -0.018 min
 Lab File: BP025881.D
 Acq: 29 Sep 2025 15:04

Tgt Ion: 128 Resp: 101134
 Ion Ratio Lower Upper
 128 100
 129 12.0 8.6 12.8
 127 13.5 10.2 15.4

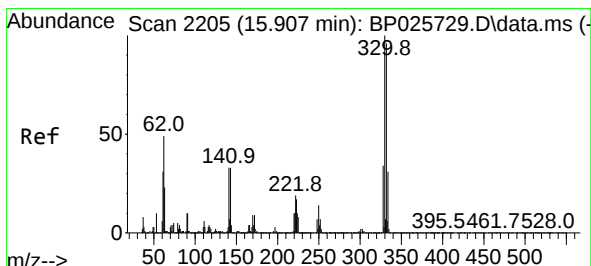
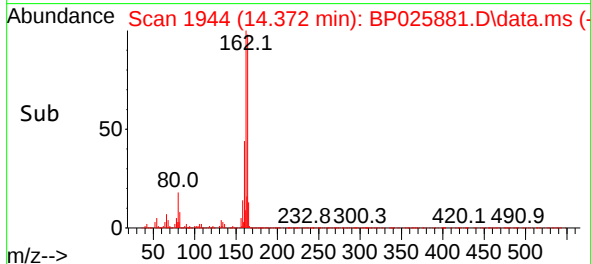
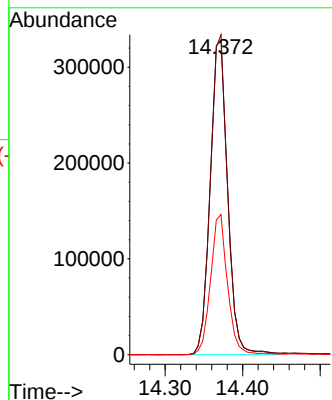
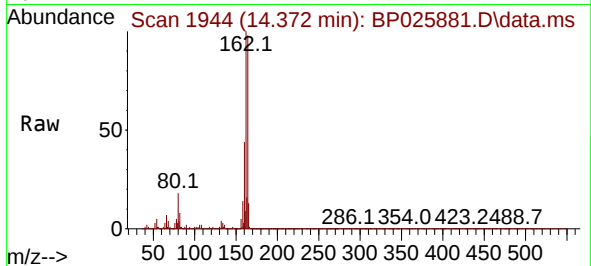




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

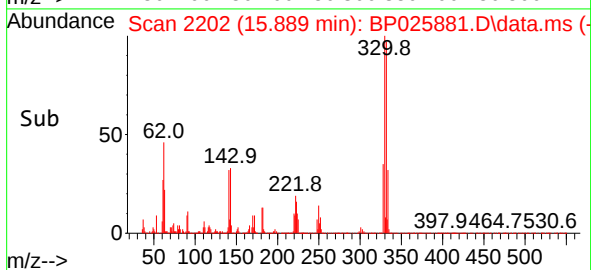
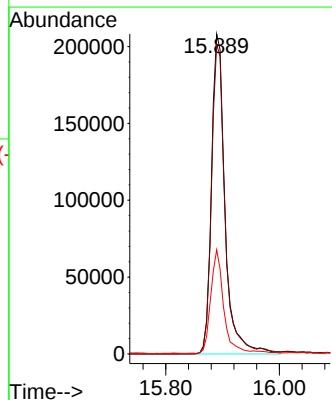
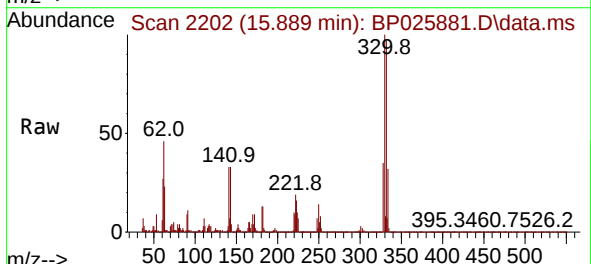
Instrument :
BNA_P
ClientSampleId :
PL-02-092525

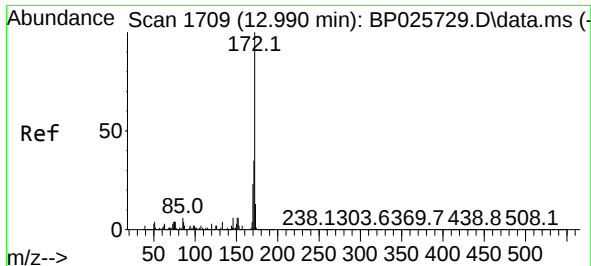
Tgt Ion:164 Resp: 514127
Ion Ratio Lower Upper
164 100
162 101.9 80.6 120.8
160 44.6 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 53.530 ng
RT: 15.889 min Scan# 2202
Delta R.T. -0.018 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

Tgt Ion:330 Resp: 343273
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 31.3 31.0 46.4

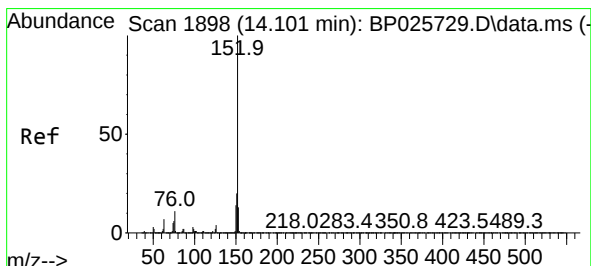
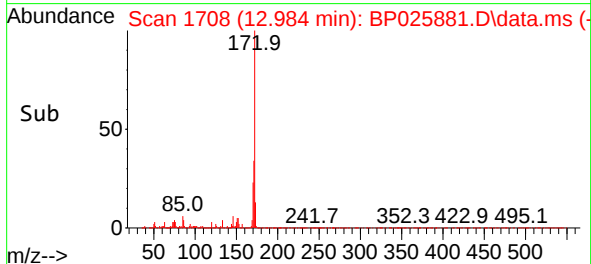
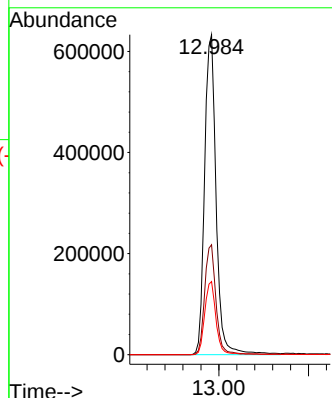
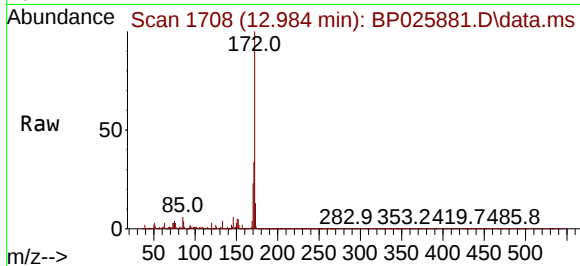




#45
2-Fluorobiphenyl
Concen: 29.257 ng
RT: 12.984 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

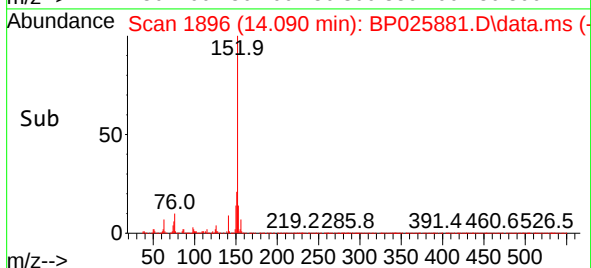
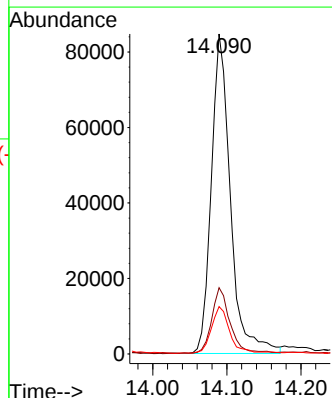
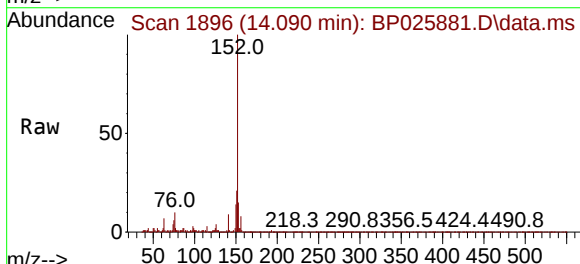
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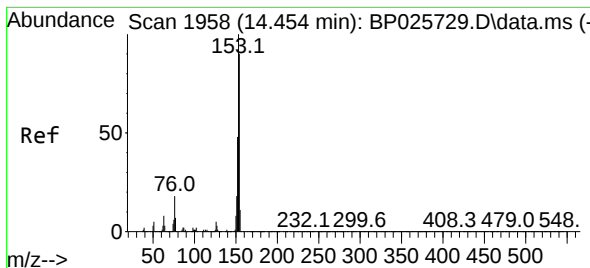
Tgt Ion:172 Resp: 1129676
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 22.8 18.6 27.8



#49
Acenaphthylene
Concen: 3.075 ng
RT: 14.090 min Scan# 1896
Delta R.T. -0.012 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

Tgt Ion:152 Resp: 151413
Ion Ratio Lower Upper
152 100
151 20.7 15.8 23.6
153 14.8 10.5 15.7





#52

Acenaphthene

Concen: 3.087 ng

RT: 14.431 min Scan# 1954

Delta R.T. -0.024 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

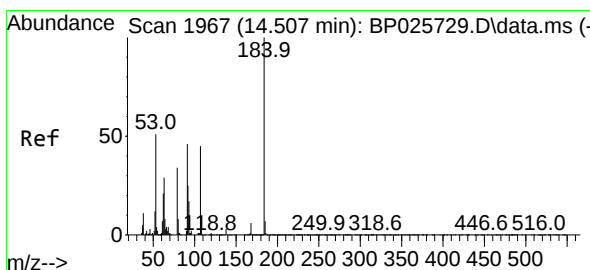
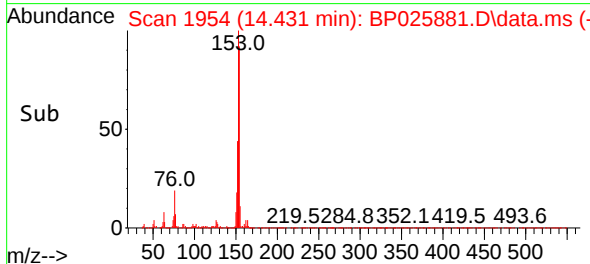
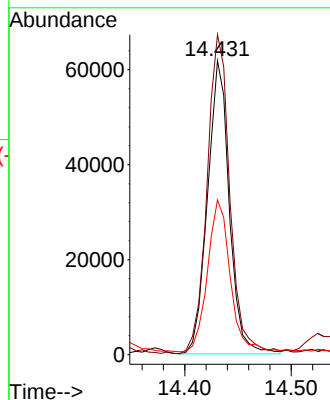
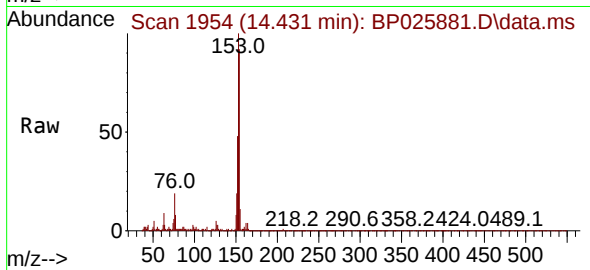
Tgt Ion:154 Resp: 87661

Ion Ratio Lower Upper

154 100

153 108.9 89.4 134.0

152 52.7 42.5 63.7



#54

2,4-Dinitrophenol

Concen: 4.830 ng

RT: 14.525 min Scan# 1970

Delta R.T. 0.018 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

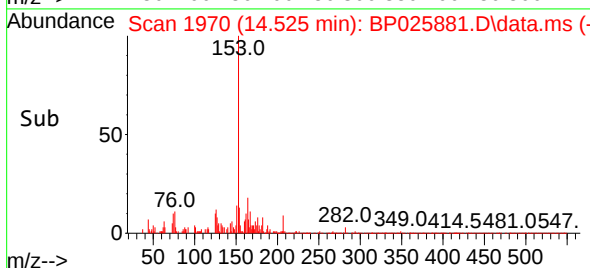
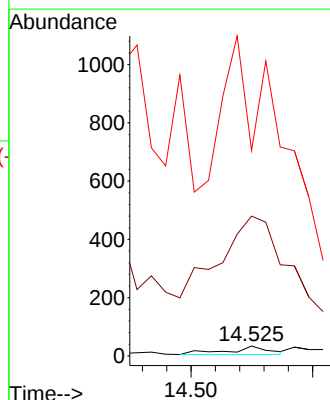
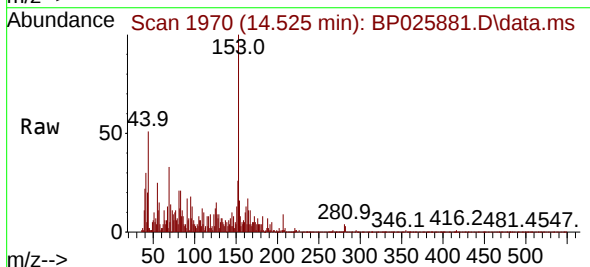
Tgt Ion:184 Resp: 33

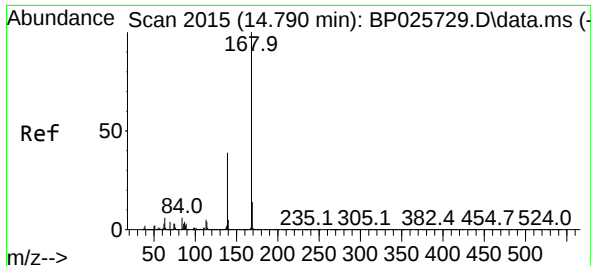
Ion Ratio Lower Upper

184 100

63 1411.8 52.5 78.7#

154 2073.5 51.5 77.3#

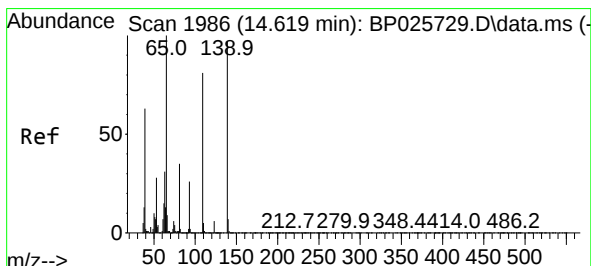
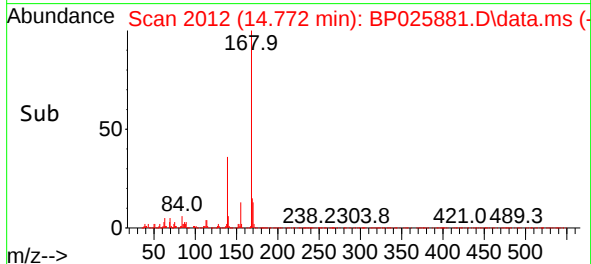
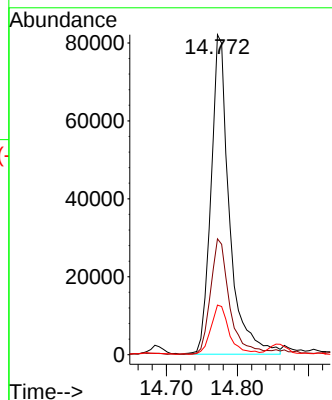
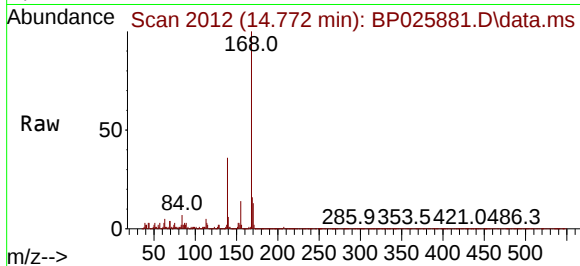




#55
Dibenzofuran
Concen: 3.186 ng
RT: 14.772 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

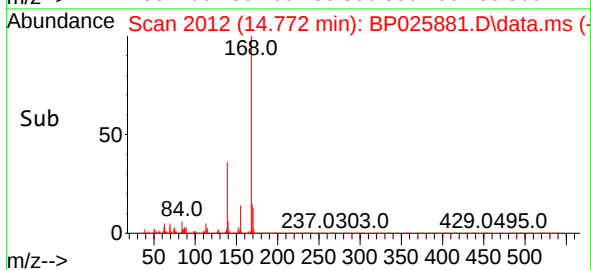
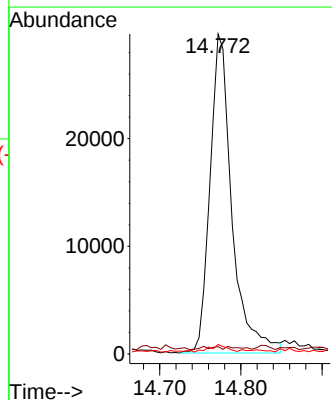
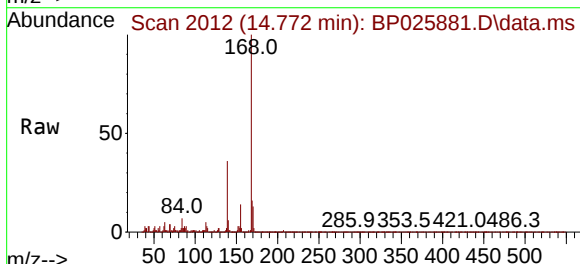
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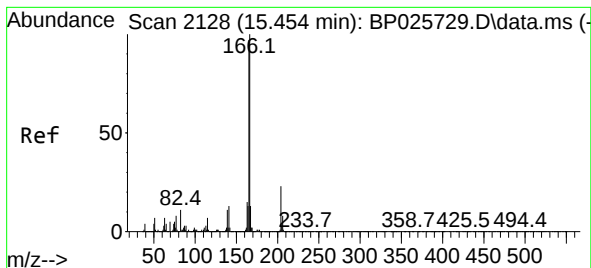
Tgt Ion:168 Resp: 147446
Ion Ratio Lower Upper
168 100
139 36.2 31.7 47.5
169 15.5 10.8 16.2



#56
4-Nitrophenol
Concen: 11.445 ng
RT: 14.772 min Scan# 2012
Delta R.T. 0.153 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

Tgt Ion:139 Resp: 55550
Ion Ratio Lower Upper
139 100
109 2.3 62.9 102.9#
65 3.0 83.4 123.4#





#58

Fluorene

Concen: 6.472 ng

RT: 15.431 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

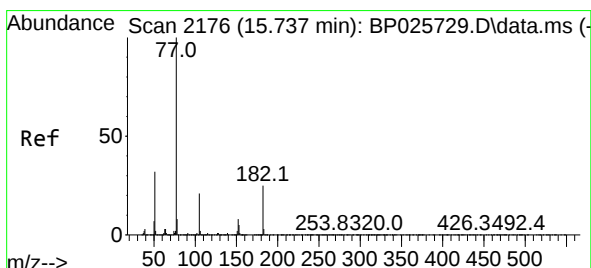
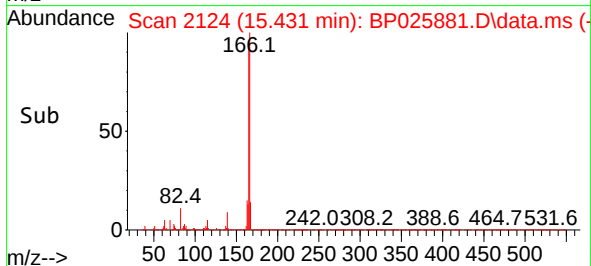
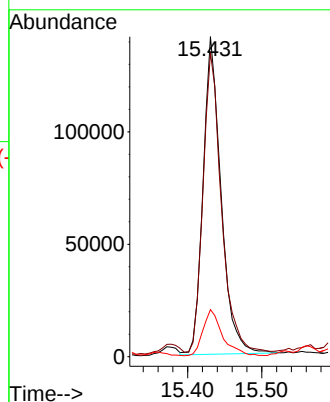
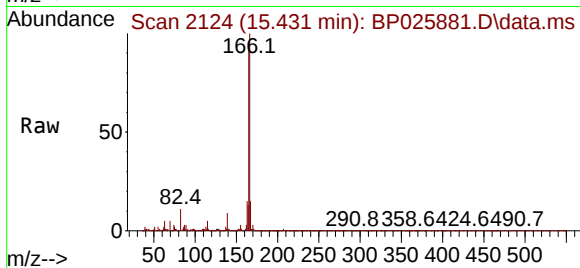
Tgt Ion:166 Resp: 238145

Ion Ratio Lower Upper

166 100

165 95.0 77.7 116.5

167 14.7 10.6 16.0



#63

Azobenzene

Concen: 3.501 ng

RT: 15.748 min Scan# 2178

Delta R.T. 0.012 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Tgt Ion: 77 Resp: 134774

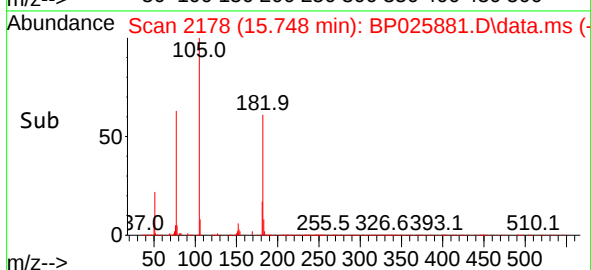
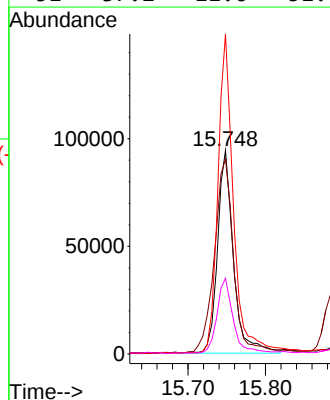
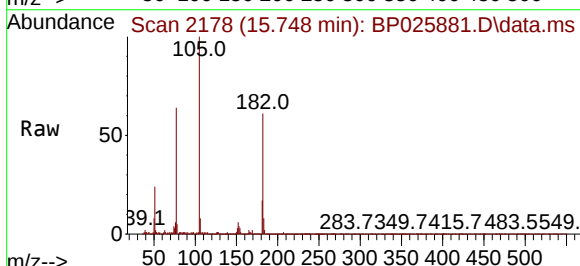
Ion Ratio Lower Upper

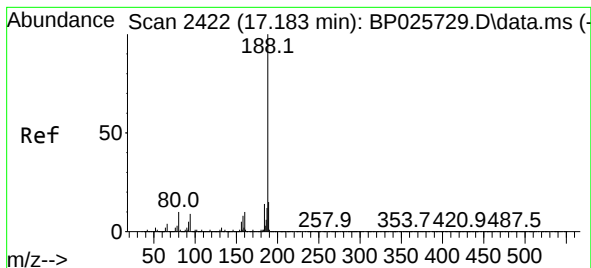
77 100

182 95.9 5.2 45.2#

105 157.3 1.1 41.1#

51 37.2 11.6 51.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.172 min Scan# 2420

Delta R.T. -0.012 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

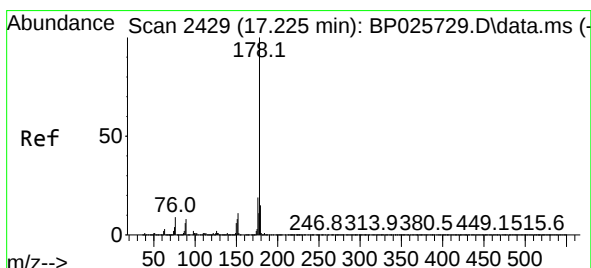
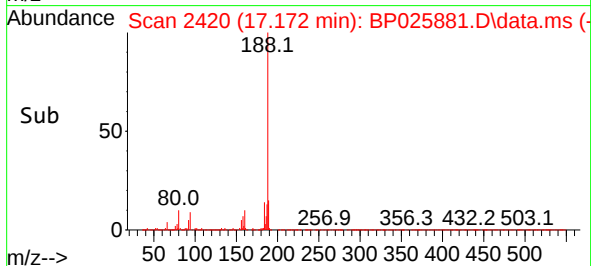
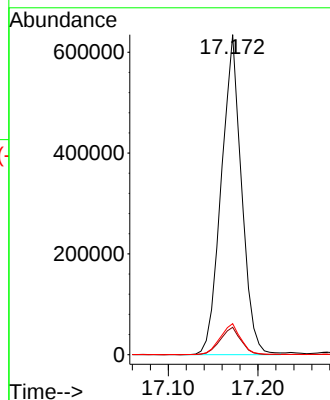
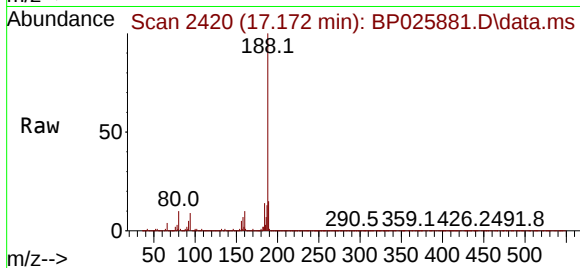
Tgt Ion:188 Resp: 994782

Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.0

80 9.7 7.7 11.5



#71

Phenanthrene

Concen: 35.936 ng

RT: 17.219 min Scan# 2428

Delta R.T. -0.006 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

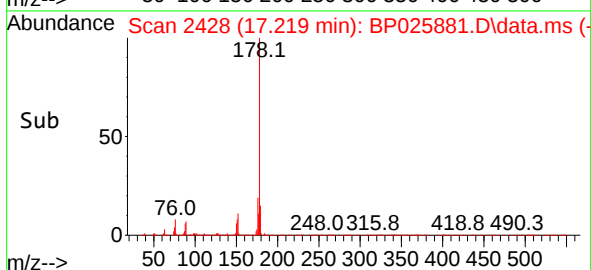
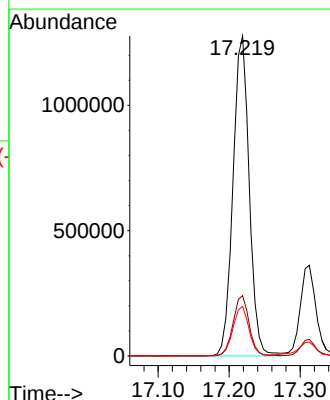
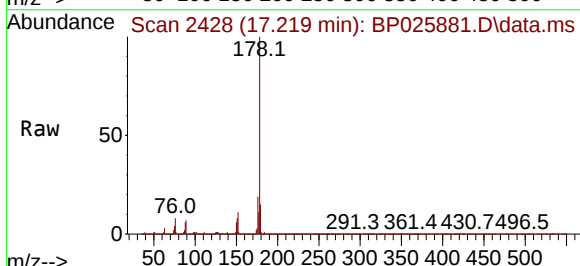
Tgt Ion:178 Resp: 2027846

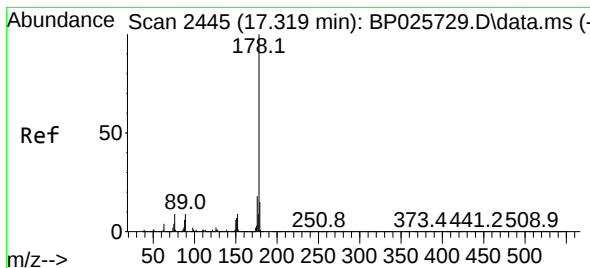
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.5 12.2 18.4





#72

Anthracene

Concen: 9.197 ng

RT: 17.313 min Scan# 2445

Delta R.T. -0.006 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

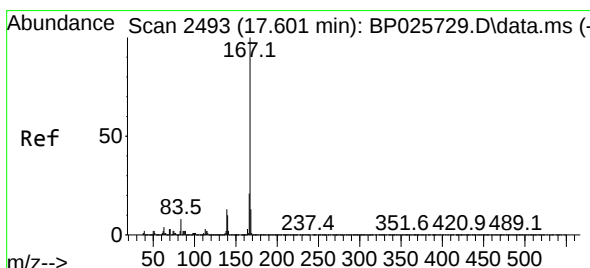
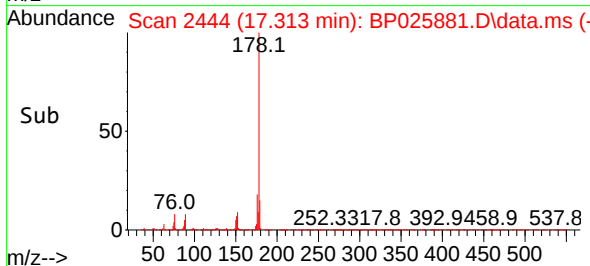
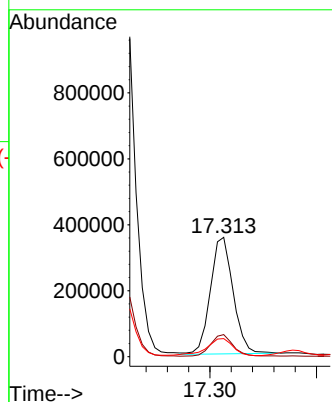
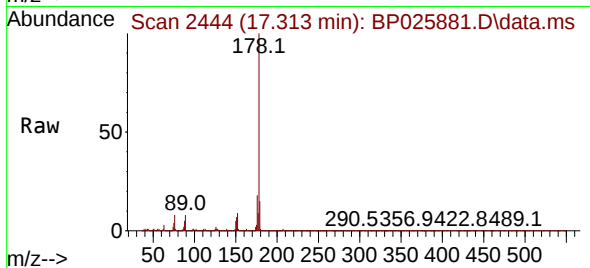
Tgt Ion:178 Resp: 526580

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.1 12.2 18.4



#73

Carbazole

Concen: 2.611 ng

RT: 17.601 min Scan# 2493

Delta R.T. 0.000 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

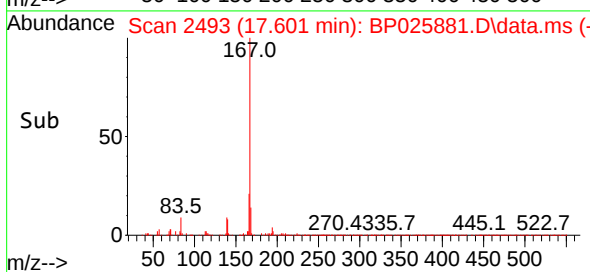
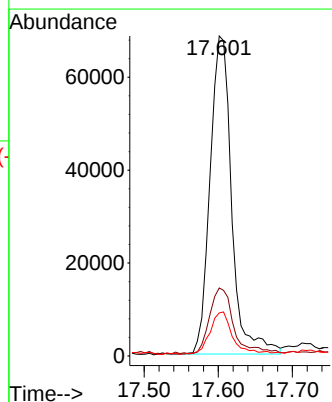
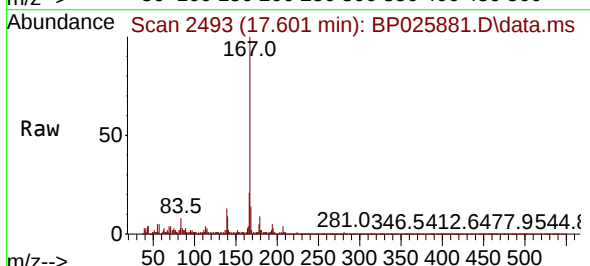
Tgt Ion:167 Resp: 139005

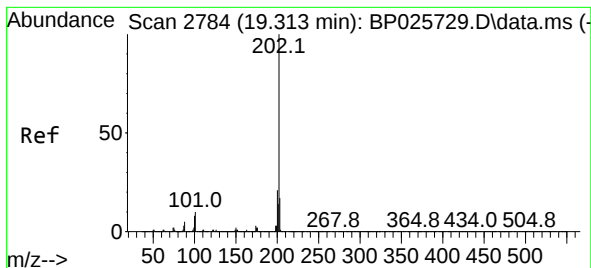
Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.4

139 13.5 10.6 16.0





#75

Fluoranthene

Concen: 40.755 ng

RT: 19.295 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

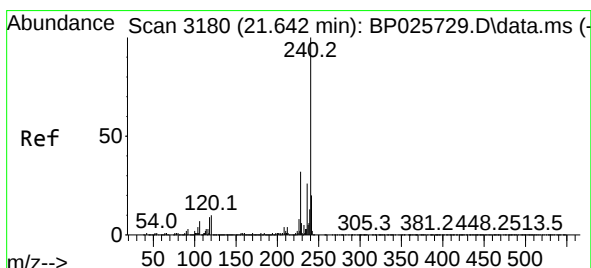
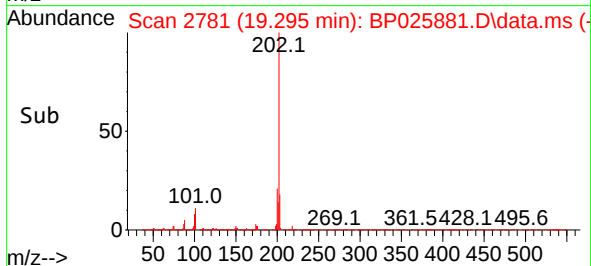
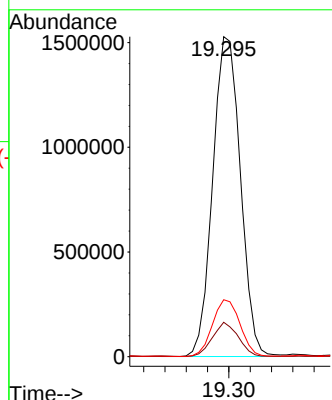
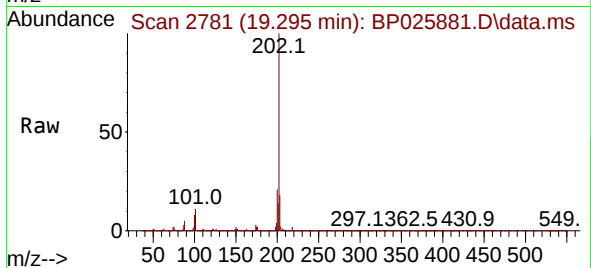
Tgt Ion:202 Resp: 2758171

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.4

203 17.8 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.619 min Scan# 3176

Delta R.T. -0.023 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

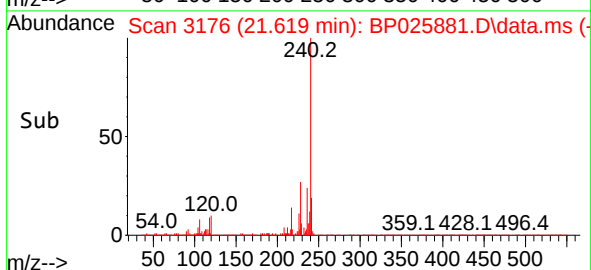
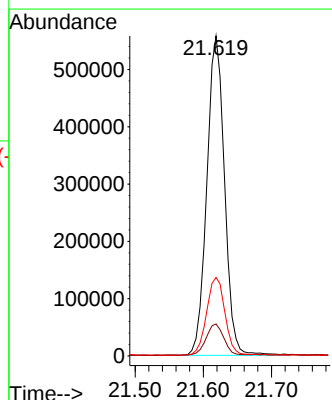
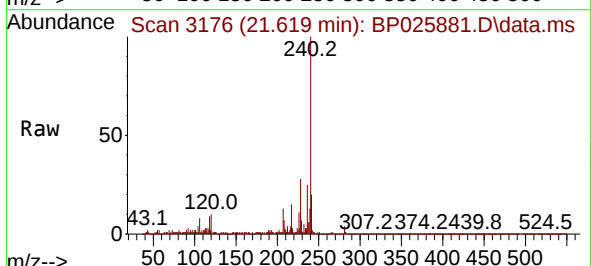
Tgt Ion:240 Resp: 1006029

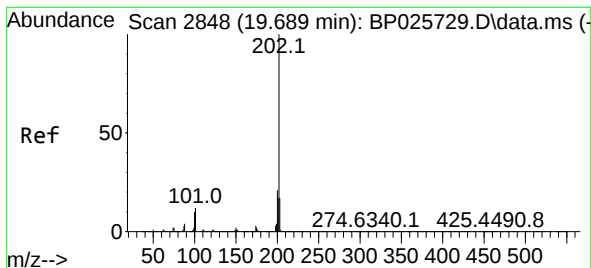
Ion Ratio Lower Upper

240 100

120 10.0 8.0 12.0

236 24.6 20.7 31.1





#78

Pyrene

Concen: 36.772 ng

RT: 19.672 min Scan# 2845

Delta R.T. -0.018 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

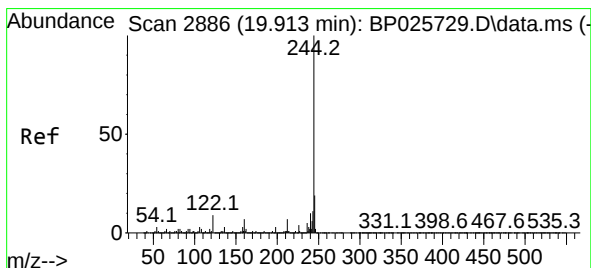
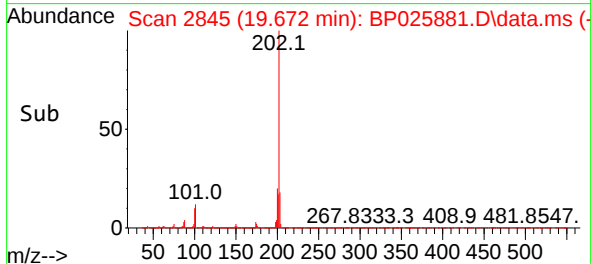
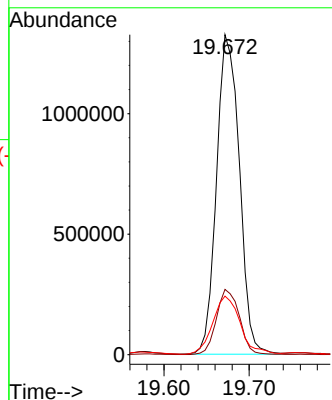
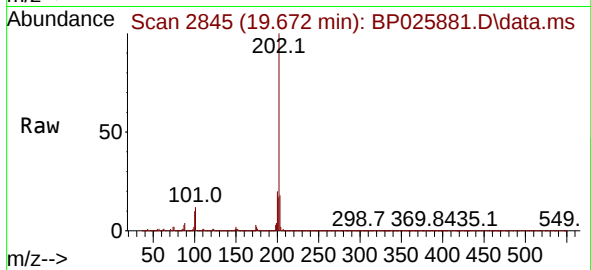
Tgt Ion:202 Resp: 2468437

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

203 18.3 13.9 20.9



#79

Terphenyl-d14

Concen: 31.490 ng

RT: 19.895 min Scan# 2883

Delta R.T. -0.018 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

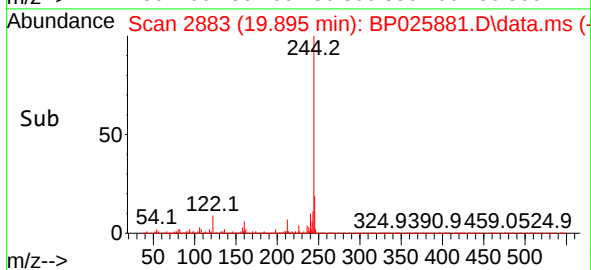
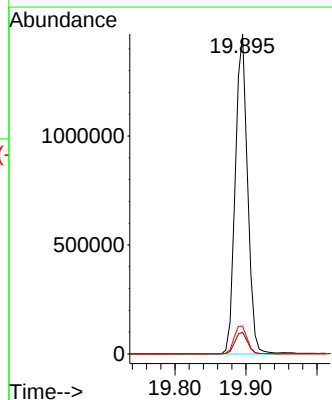
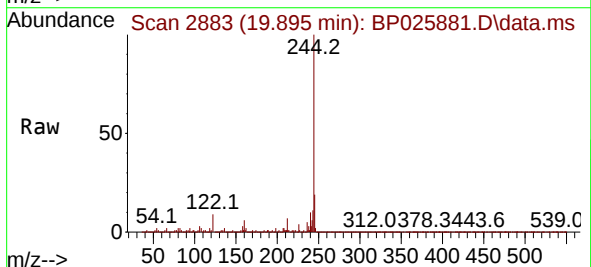
Tgt Ion:244 Resp: 1760961

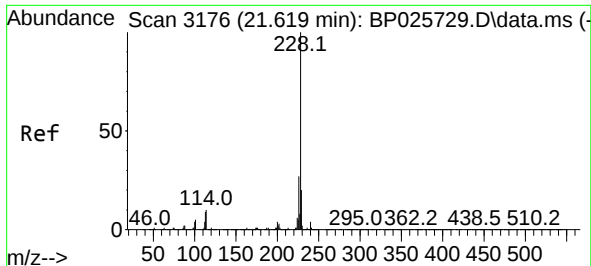
Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 8.7 7.1 10.7

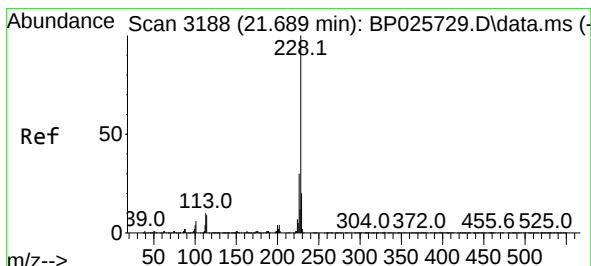
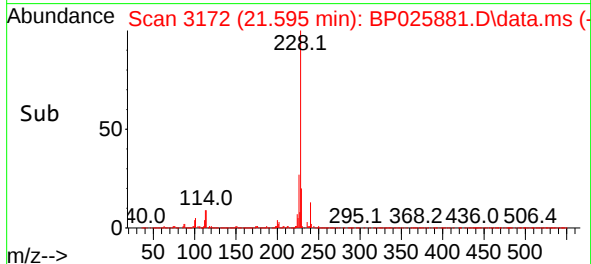
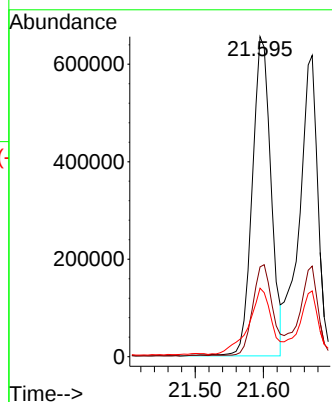
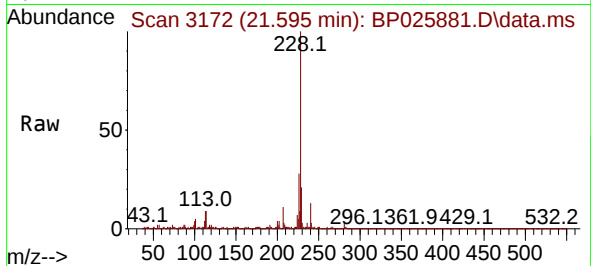




#81
Benzo(a)anthracene
Concen: 17.980 ng
RT: 21.595 min Scan# 3176
Delta R.T. -0.023 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

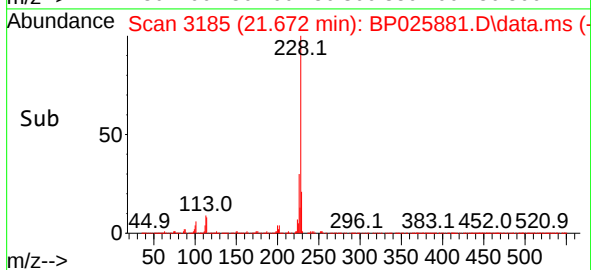
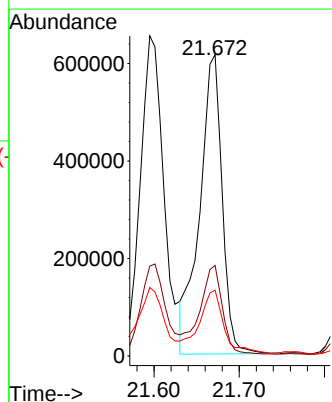
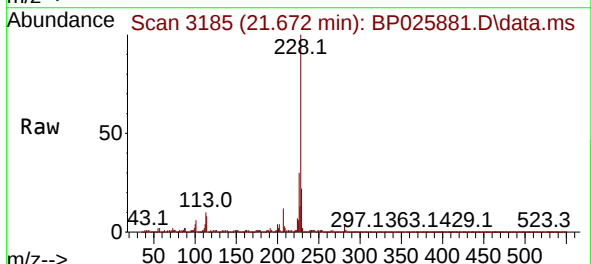
Instrument :
BNA_P
ClientSampleId :
PL-02-092525

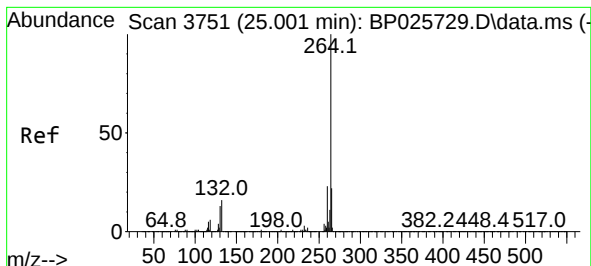
Tgt Ion:228 Resp: 1238380
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 21.4 15.7 23.5



#83
Chrysene
Concen: 17.216 ng
RT: 21.672 min Scan# 3185
Delta R.T. -0.018 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

Tgt Ion:228 Resp: 1130345
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.6
229 21.8 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.977 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

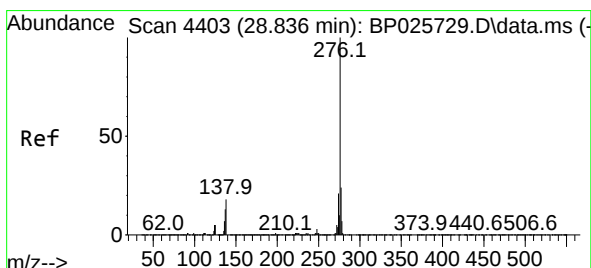
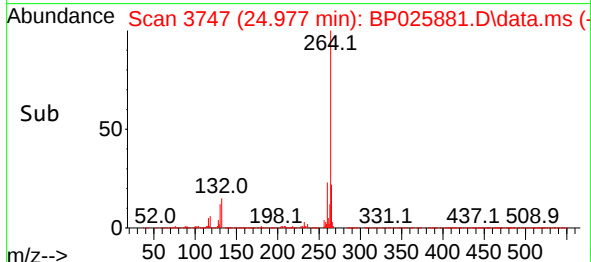
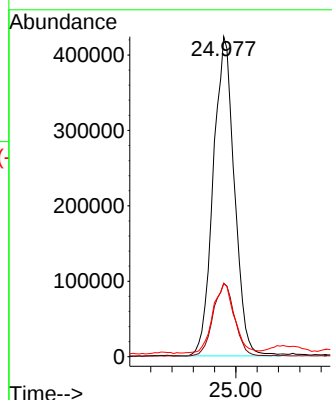
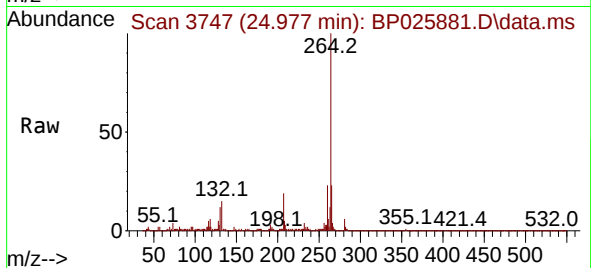
Tgt Ion:264 Resp: 1168451

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 22.8 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.478 ng

RT: 28.795 min Scan# 4396

Delta R.T. -0.041 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

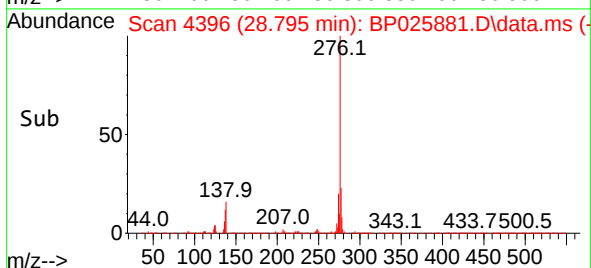
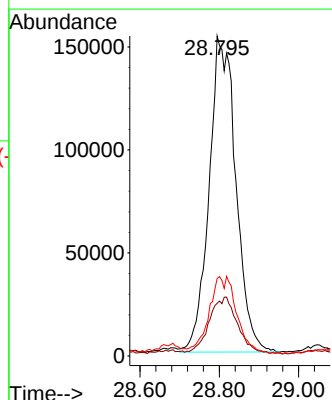
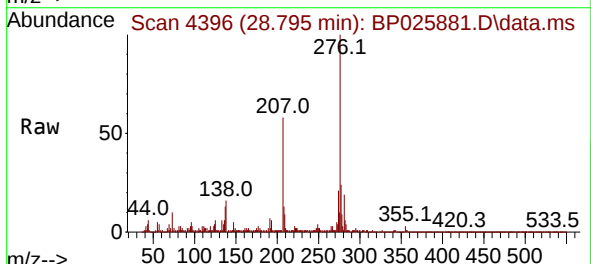
Tgt Ion:276 Resp: 720371

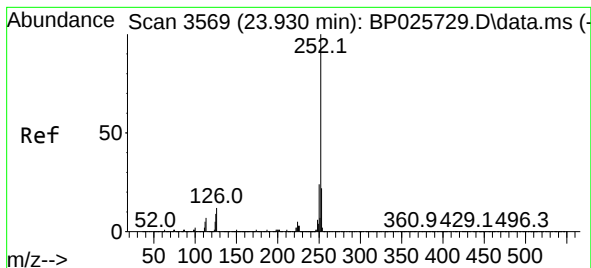
Ion Ratio Lower Upper

276 100

138 0.0 13.4 20.2#

277 12.4 9.1 13.7





#88

Benzo(b)fluoranthene

Concen: 19.730 ng

RT: 23.907 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

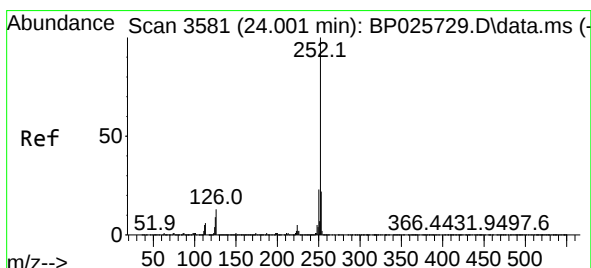
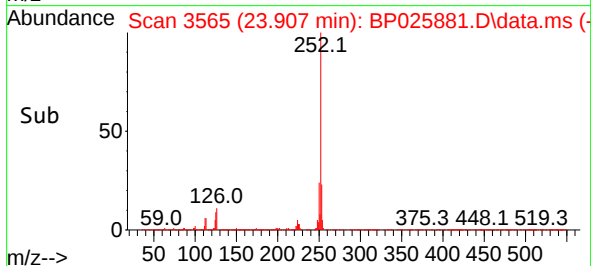
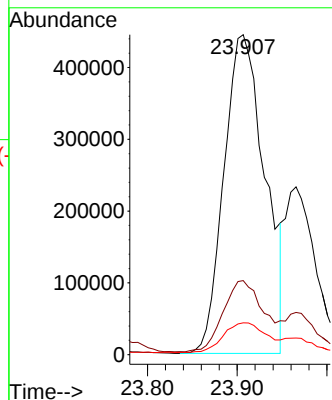
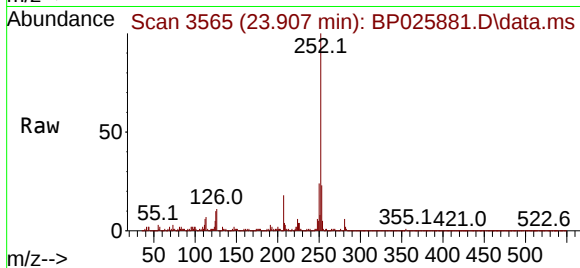
Tgt Ion:252 Resp: 1409743

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 10.0 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 7.414 ng

RT: 23.966 min Scan# 3575

Delta R.T. -0.035 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

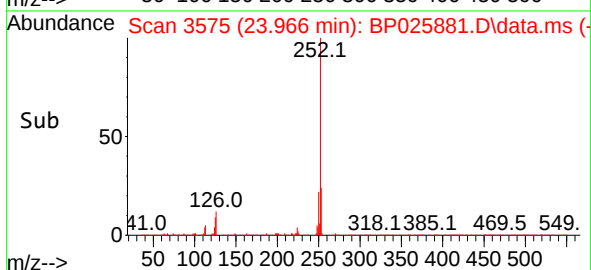
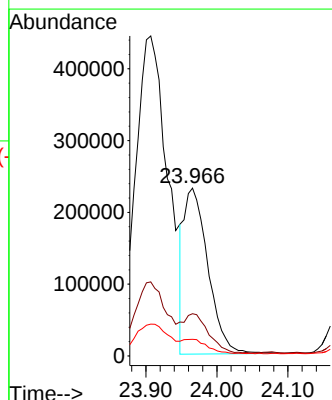
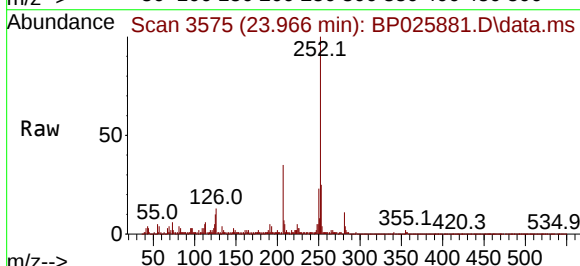
Tgt Ion:252 Resp: 540590

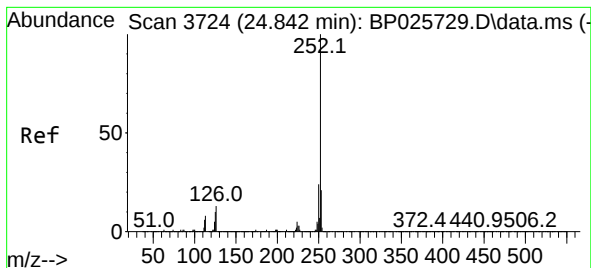
Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

125 10.0 7.5 11.3





#90

Benzo(a)pyrene

Concen: 15.787 ng

RT: 24.813 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

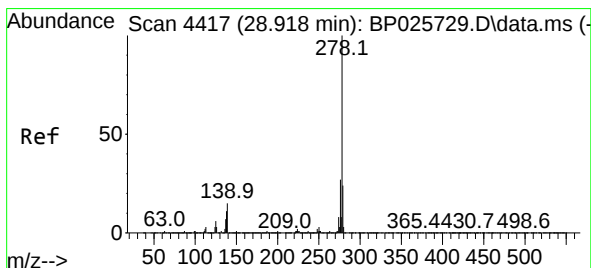
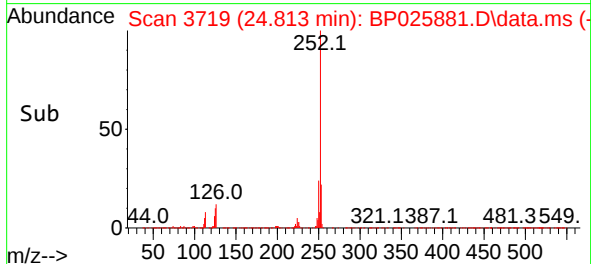
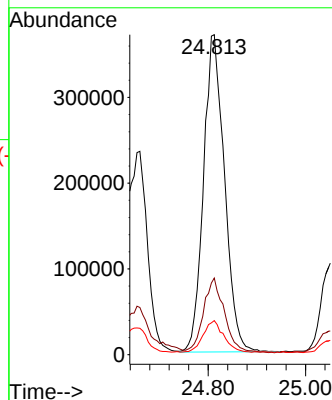
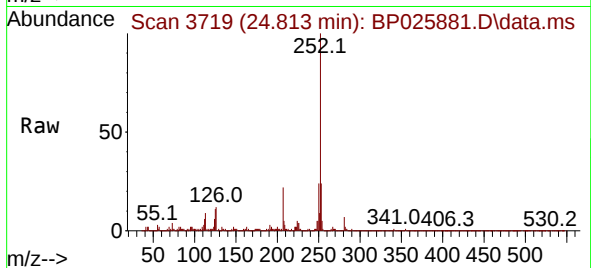
Tgt Ion:252 Resp: 1104689

Ion Ratio Lower Upper

252 100

253 23.9 17.2 25.8

125 10.6 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 2.700 ng

RT: 28.859 min Scan# 4407

Delta R.T. -0.059 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

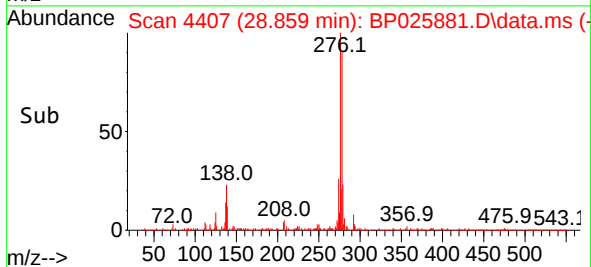
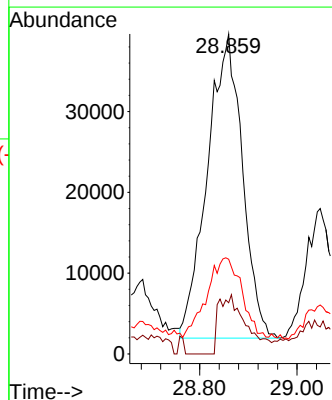
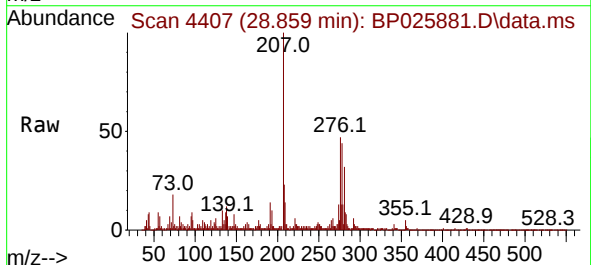
Tgt Ion:278 Resp: 187762

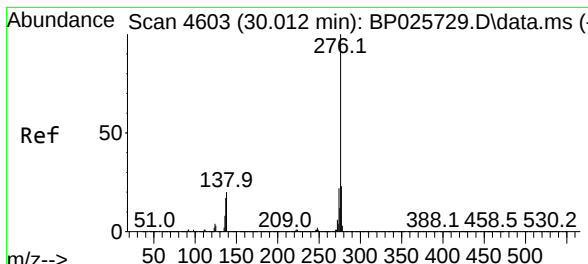
Ion Ratio Lower Upper

278 100

139 16.0 12.1 18.1

279 29.6 19.6 29.4#





#92
 Benzo(g,h,i)perylene
 Concen: 10.013 ng
 RT: 29.971 min Scan# 4
 Delta R.T. -0.041 min
 Lab File: BP025881.D
 Acq: 29 Sep 2025 15:04

Instrument :
 BNA_P
 ClientSampleId :
 PL-02-092525

Tgt Ion: 276 Resp: 684705
 Ion Ratio Lower Upper
 276 100
 277 25.1 18.7 28.1
 138 19.9 16.0 24.0

