

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)

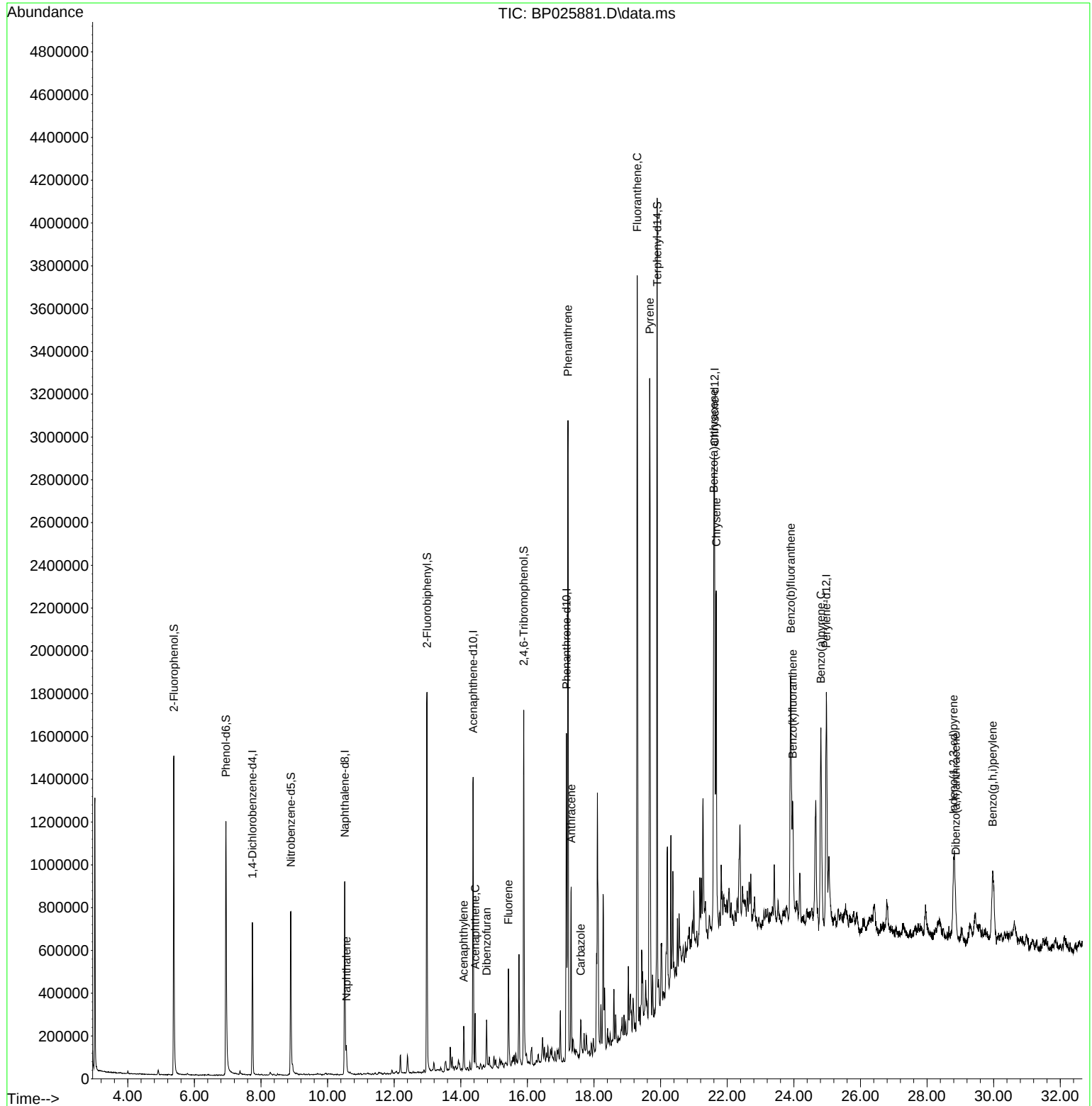
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	204829	20.000	ng	-0.02
21) Naphthalene-d8	10.513	136	782210	20.000	ng	-0.01
39) Acenaphthene-d10	14.372	164	514127	20.000	ng	0.00
64) Phenanthrene-d10	17.172	188	994782	20.000	ng	-0.01
76) Chrysene-d12	21.619	240	1006029	20.000	ng	-0.02
86) 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
55) Dibenzofuran	14.772	168	147446	3.186	ng	95
58) Fluorene	15.431	166	238145	6.472	ng	98
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

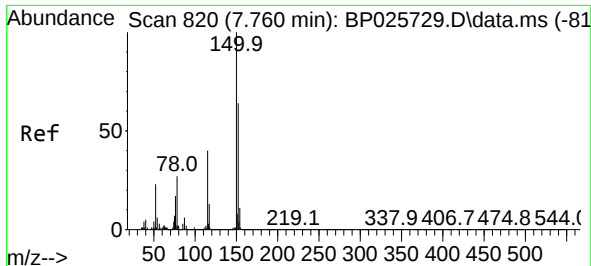
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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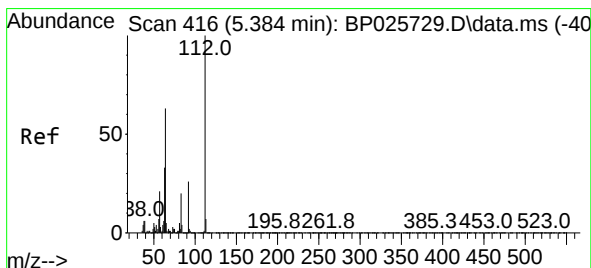
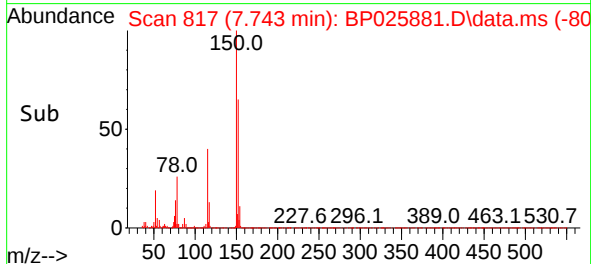
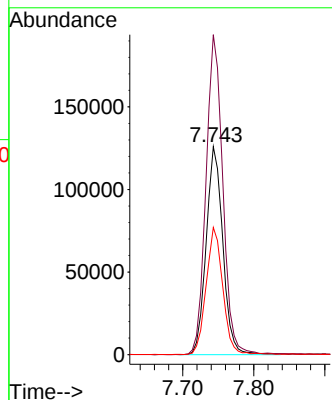
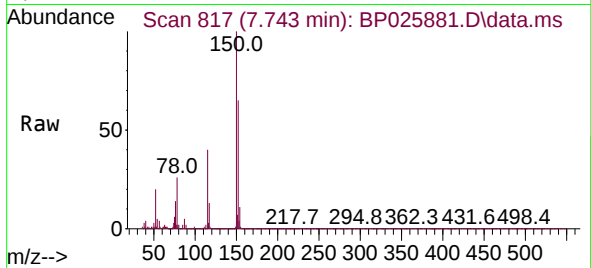




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 817
Delta R.T. -0.017 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

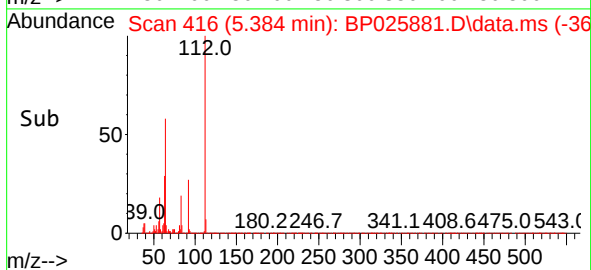
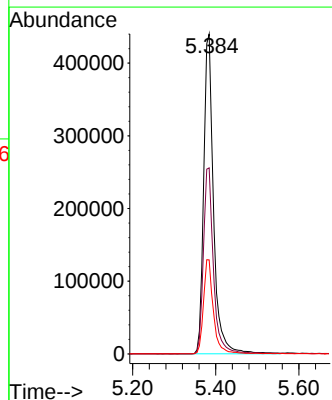
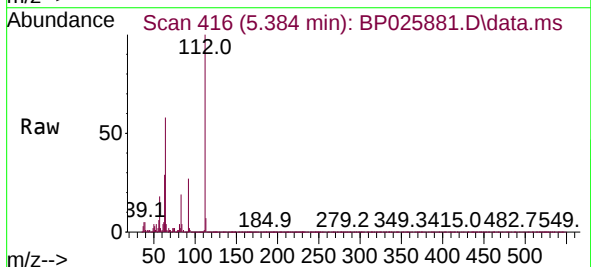
Instrument :
BNA_P
ClientSampleId :
PL-02-092525

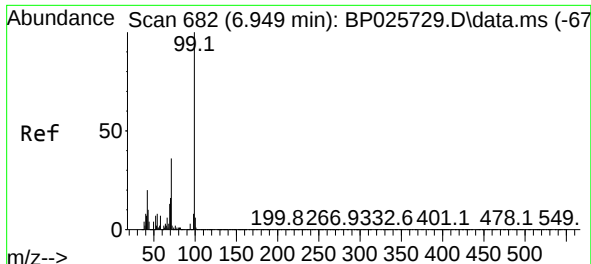
Tgt Ion:152 Resp: 204829
Ion Ratio Lower Upper
152 100
150 153.9 124.3 186.5
115 61.1 50.3 75.5



#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

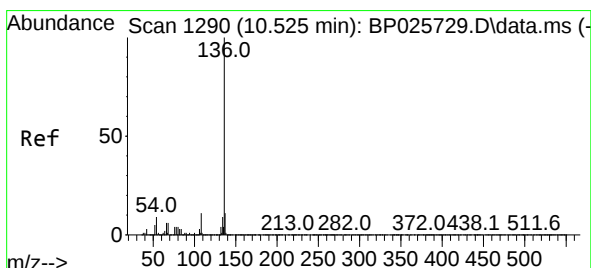
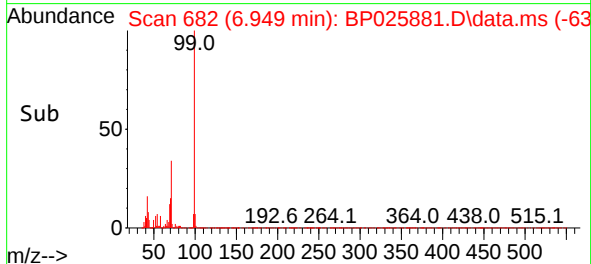
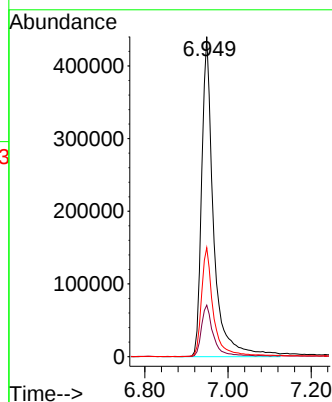
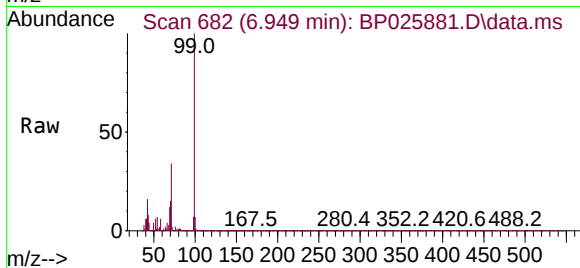




#7
Phenol-d6
Concen: 52.143 ng
RT: 6.949 min Scan# 682
Delta R.T. 0.000 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

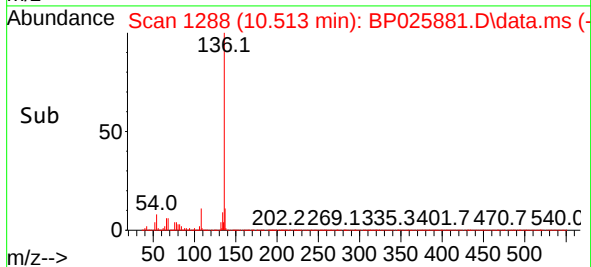
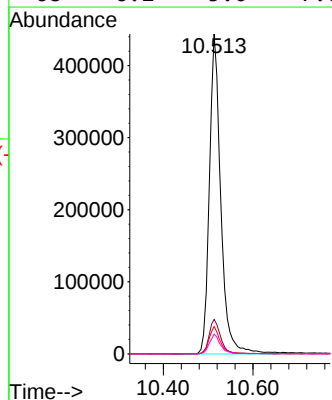
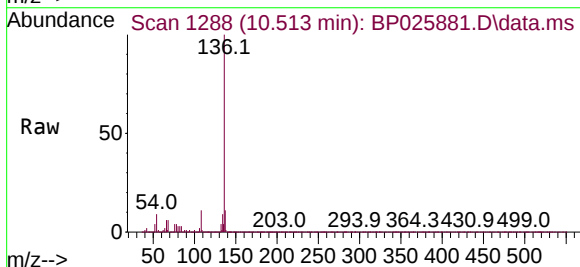
Instrument :
BNA_P
ClientSampleId :
PL-02-092525

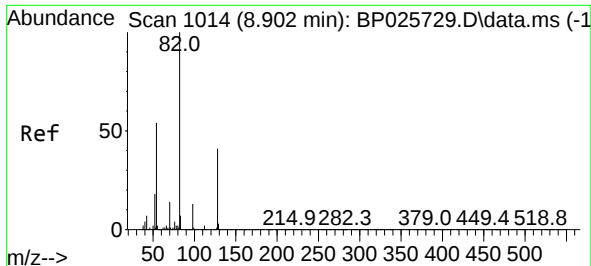
Tgt Ion:	99	Resp:	879818
Ion	Ratio	Lower	Upper
99	100		
42	16.1	15.6	23.4
71	34.0	28.6	43.0



#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

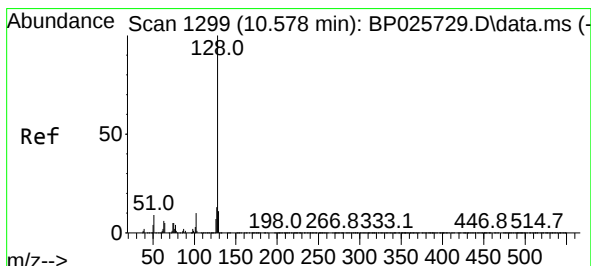
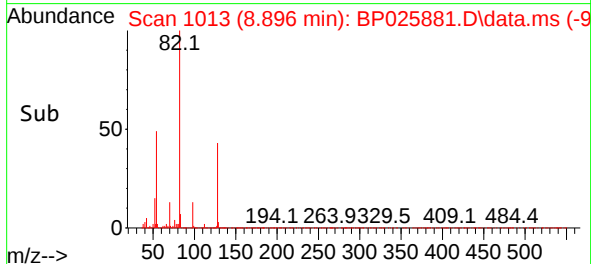
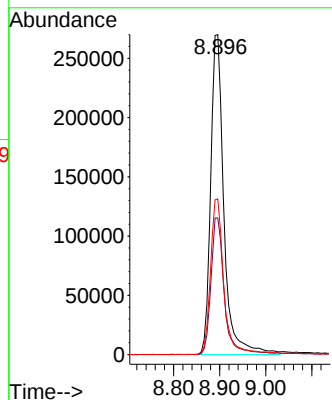
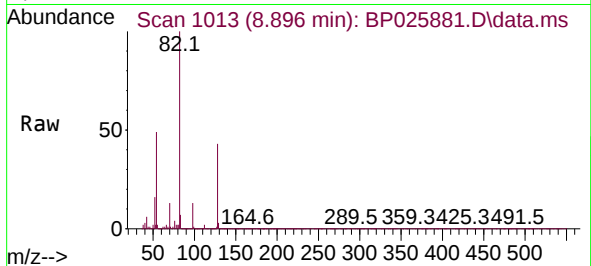




#23
Nitrobenzene-d5
Concen: 30.327 ng
RT: 8.896 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

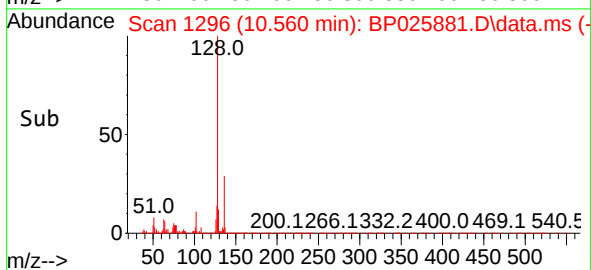
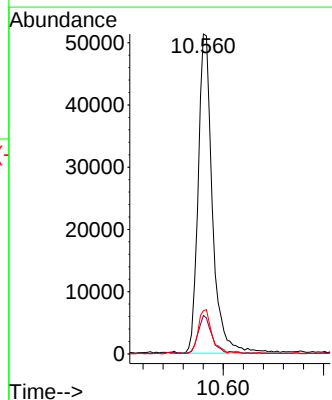
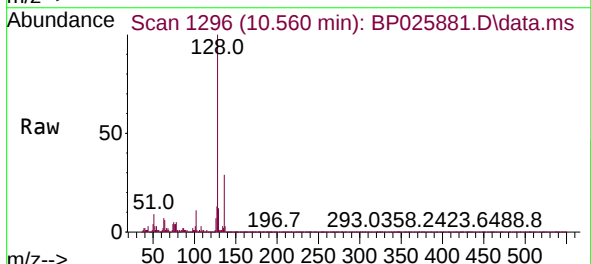
Instrument :
BNA_P
ClientSampleId :
PL-02-092525

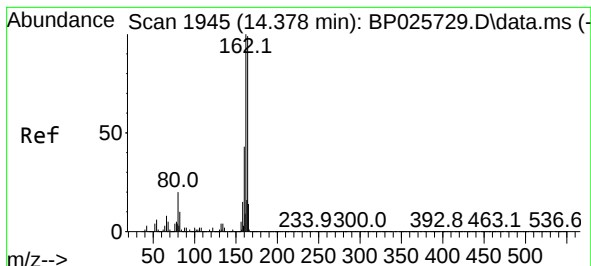
Tgt Ion: 82 Resp: 537787
Ion Ratio Lower Upper
82 100
128 42.7 32.9 49.3
54 48.6 43.4 65.2



#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# 1945

Delta R.T. -0.006 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

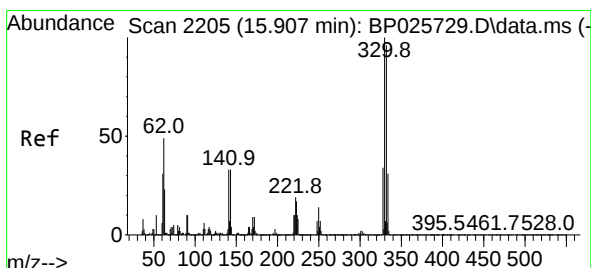
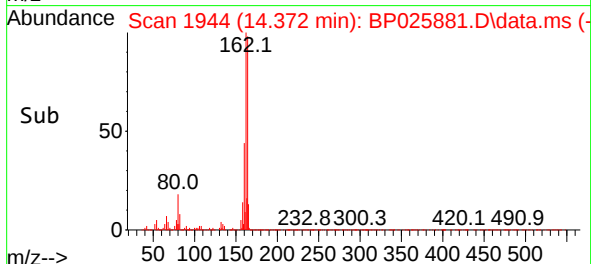
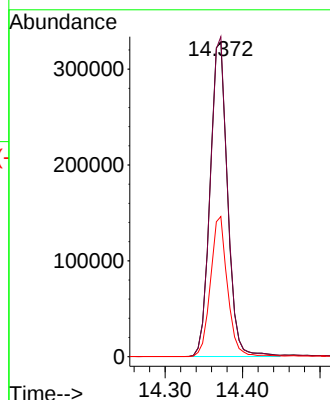
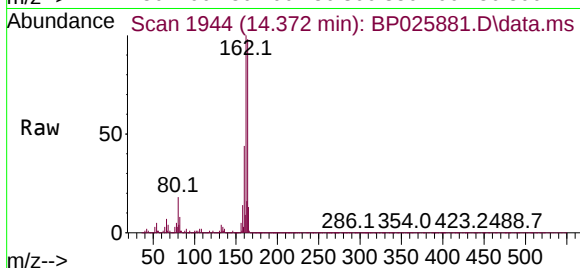
Tgt Ion:164 Resp: 514127

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

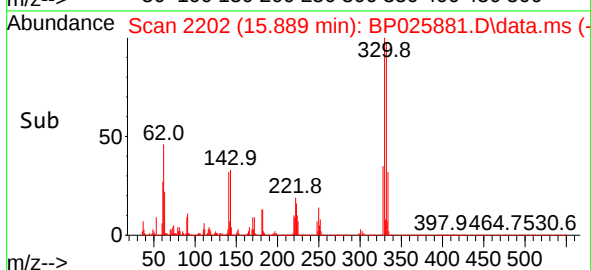
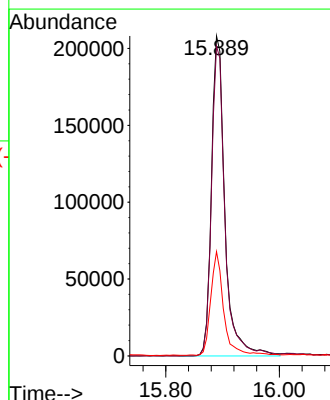
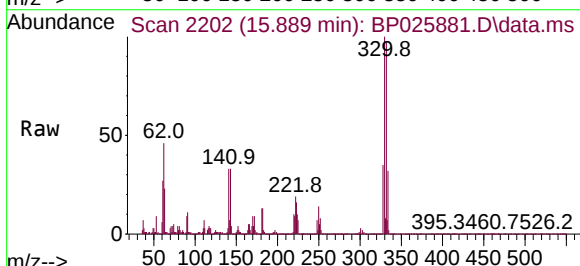
Tgt Ion:330 Resp: 343273

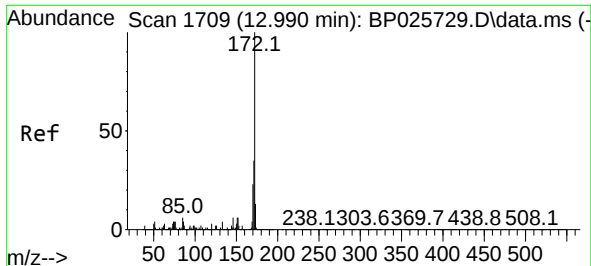
Ion Ratio Lower Upper

330 100

332 96.8 76.9 115.3

141 31.3 31.0 46.4

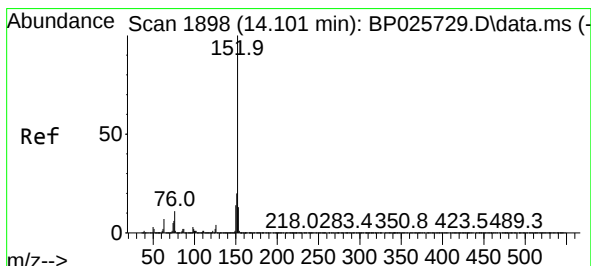
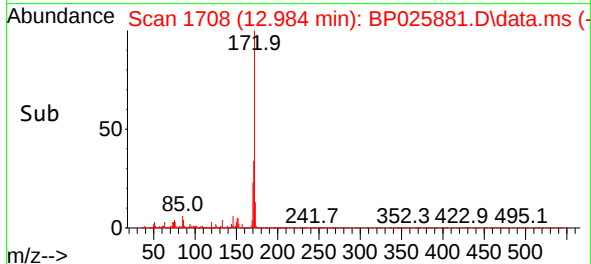
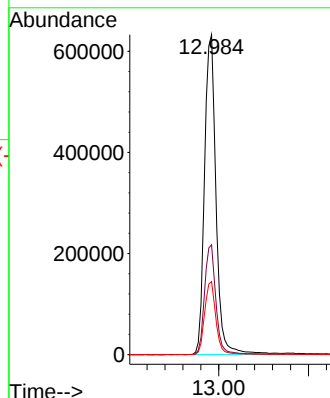
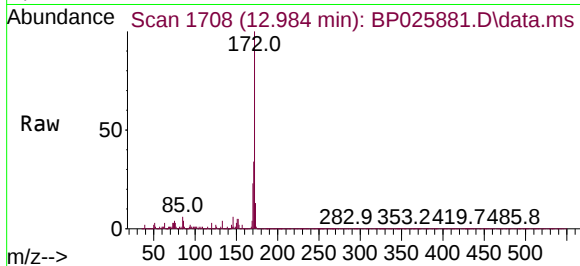




#45
2-Fluorobiphenyl
Concen: 29.257 ng
RT: 12.984 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

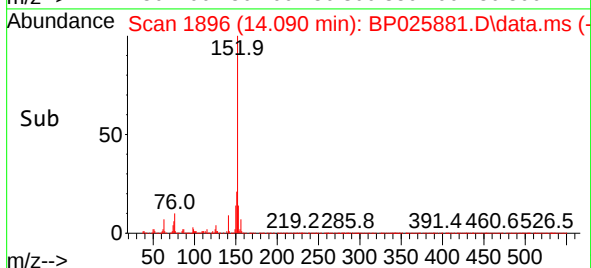
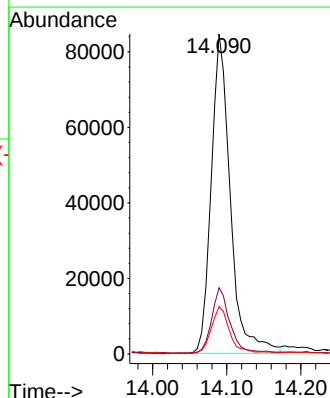
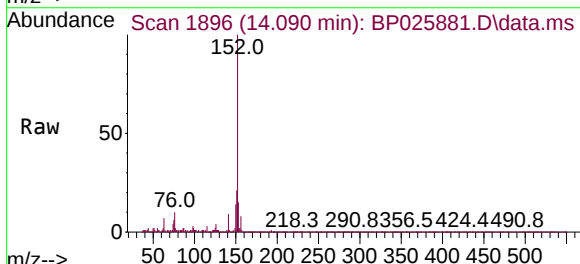
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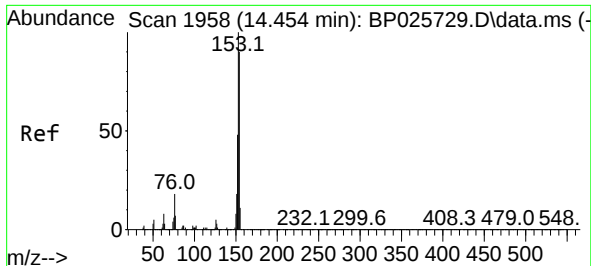
Tgt Ion:172 Resp: 1129676
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 22.8 18.6 27.8



#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

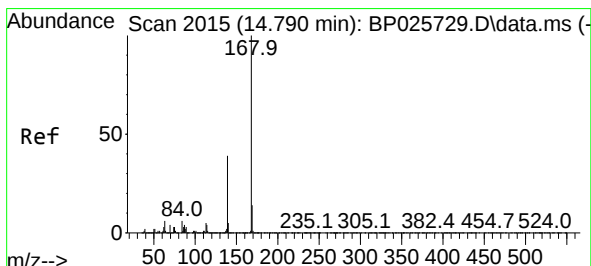
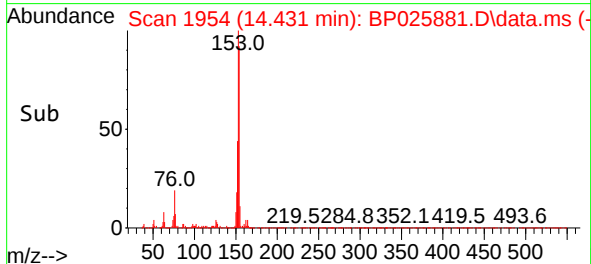
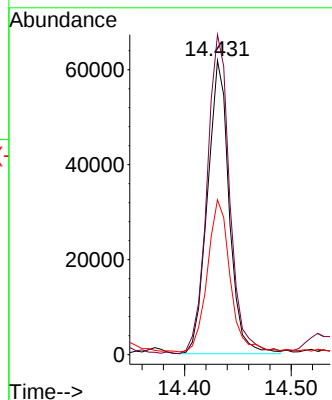
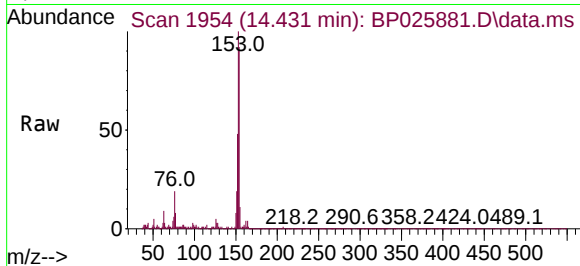




#52
Acenaphthene
Concen: 3.087 ng
RT: 14.431 min Scan# 1958
Delta R.T. -0.024 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

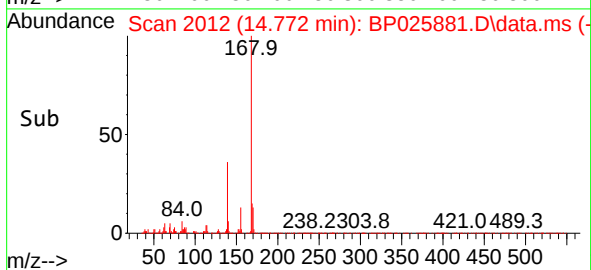
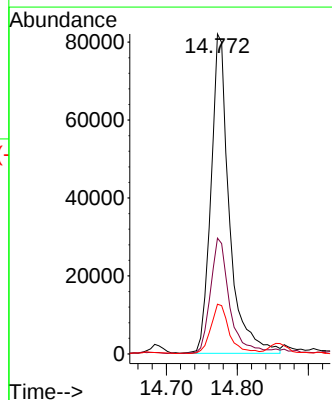
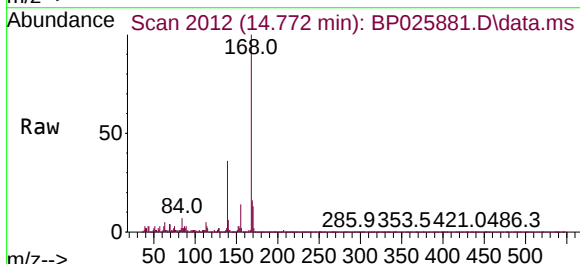
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BNA_P
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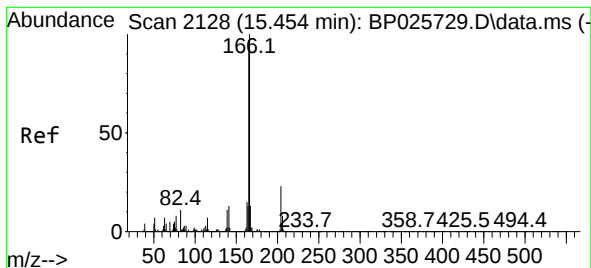
Tgt Ion:154 Resp: 87661
Ion Ratio Lower Upper
154 100
153 108.9 89.4 134.0
152 52.7 42.5 63.7



#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

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





#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

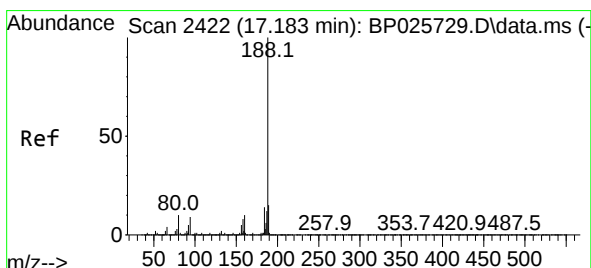
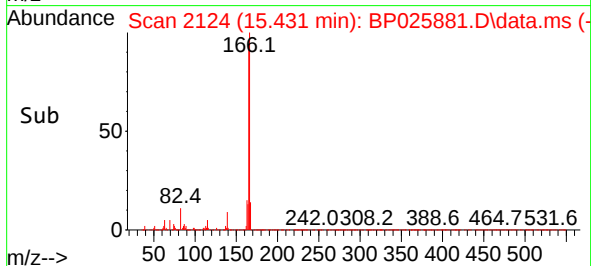
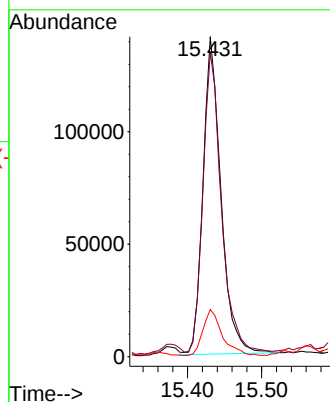
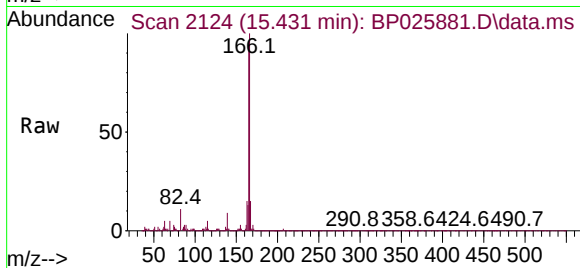
Tgt Ion:166 Resp: 238145

Ion Ratio Lower Upper

166 100

165 95.0 77.7 116.5

167 14.7 10.6 16.0



#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

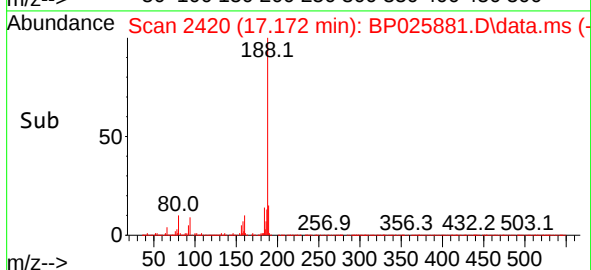
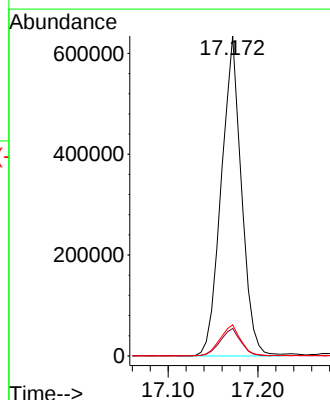
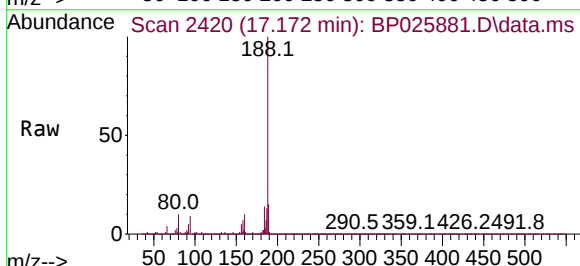
Tgt Ion:188 Resp: 994782

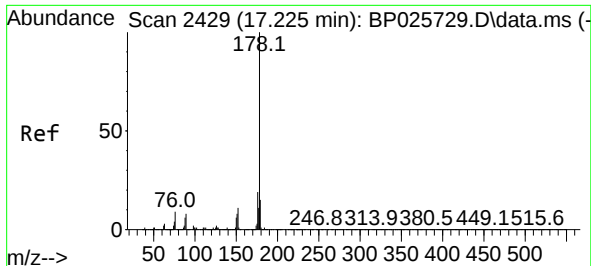
Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.0

80 9.7 7.7 11.5

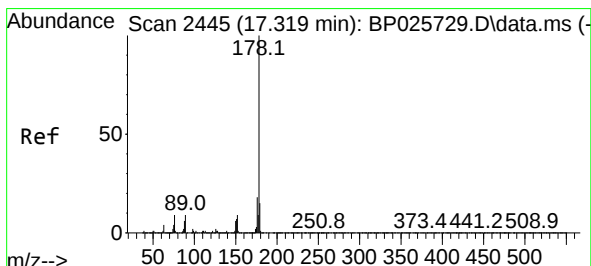
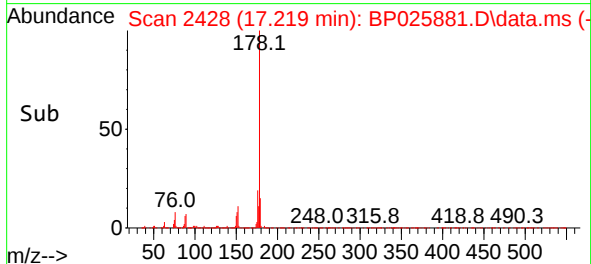
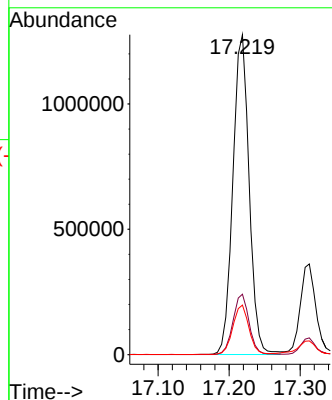
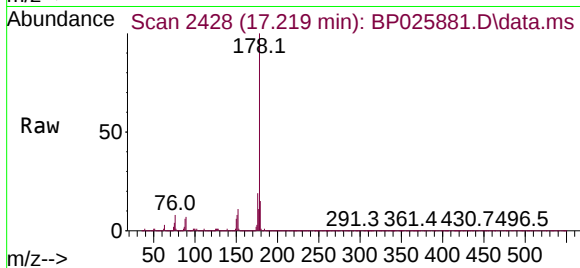




#71
Phenanthrene
Concen: 35.936 ng
RT: 17.219 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

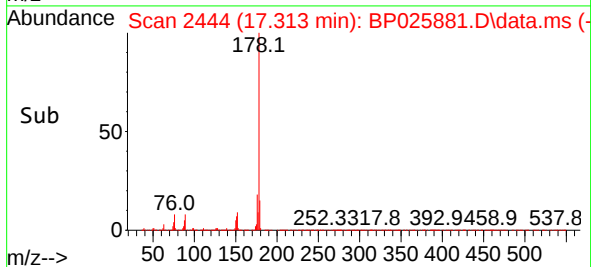
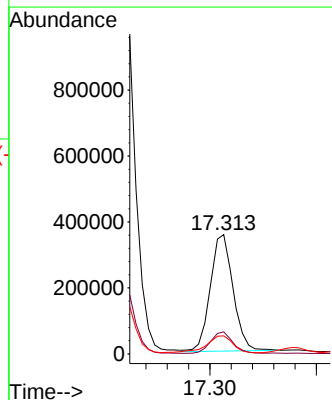
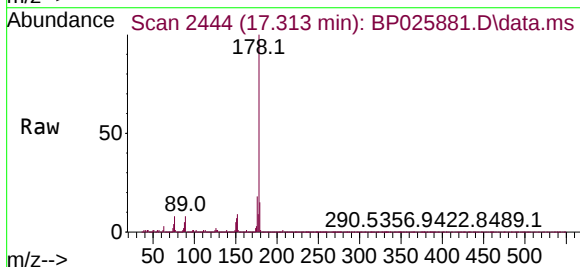
Instrument :
BNA_P
ClientSampleId :
PL-02-092525

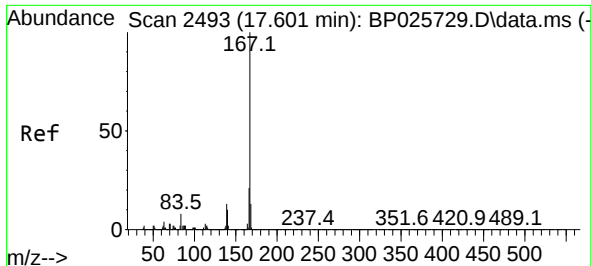
Tgt Ion:178 Resp: 2027846
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.5 12.2 18.4



#72
Anthracene
Concen: 9.197 ng
RT: 17.313 min Scan# 2444
Delta R.T. -0.006 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

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

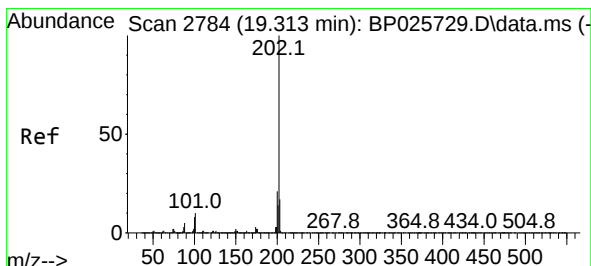
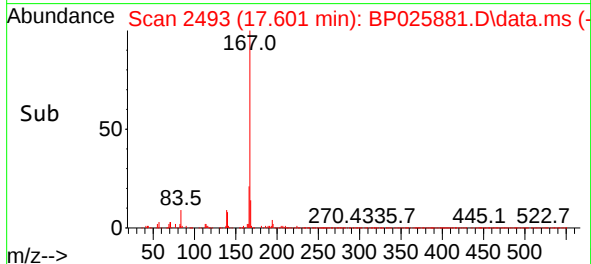
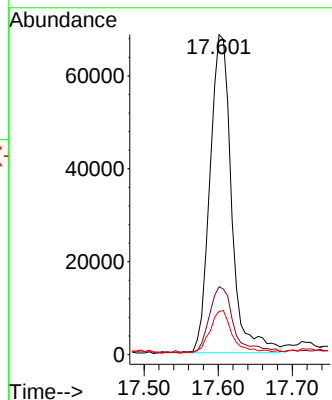
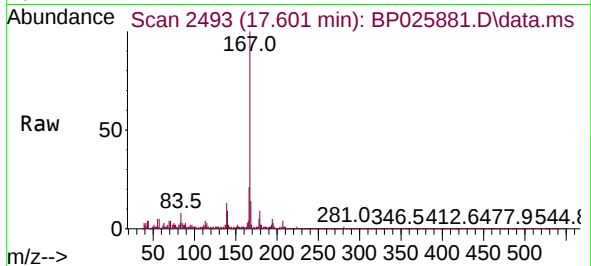




#73
 Carbazole
 Concen: 2.611 ng
 RT: 17.601 min Scan# 2493
 Delta R.T. 0.000 min
 Lab File: BP025881.D
 Acq: 29 Sep 2025 15:04

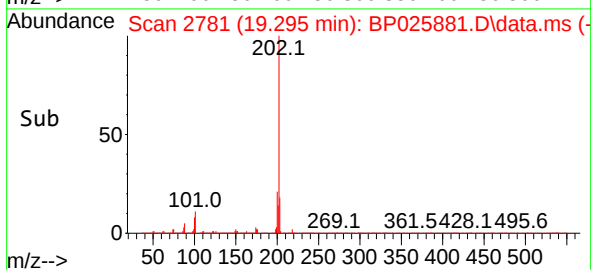
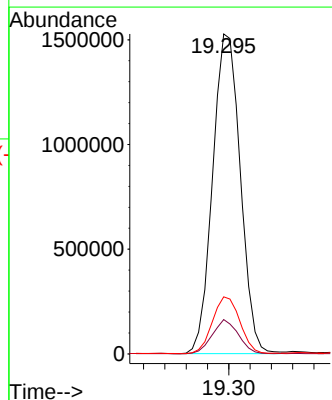
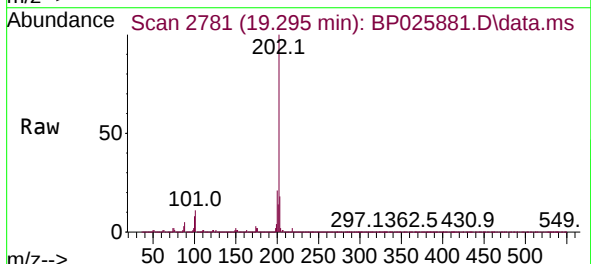
Instrument :
 BNA_P
 ClientSampleId :
 PL-02-092525

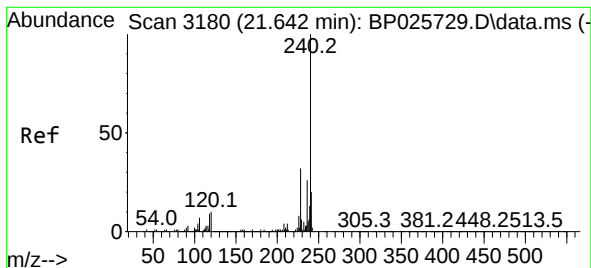
Tgt Ion:	167	Resp:	139005
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	13.5	10.6	16.0



#75
 Fluoranthene
 Concen: 40.755 ng
 RT: 19.295 min Scan# 2781
 Delta R.T. -0.018 min
 Lab File: BP025881.D
 Acq: 29 Sep 2025 15:04

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# 31

Delta R.T. -0.023 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

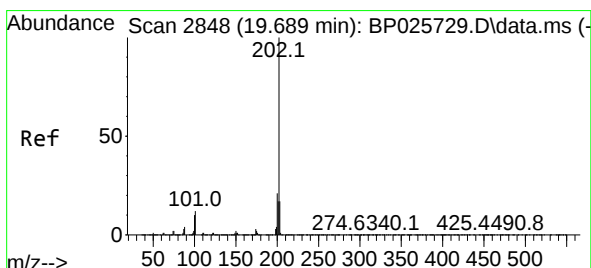
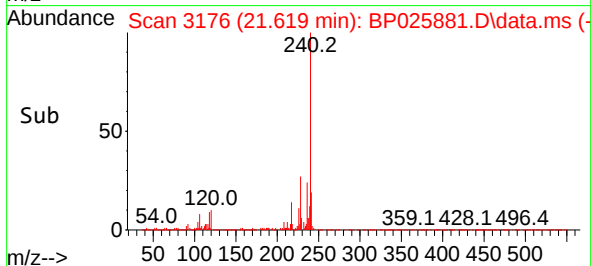
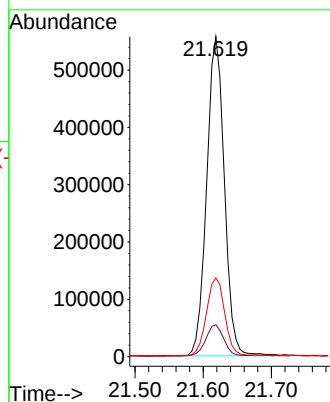
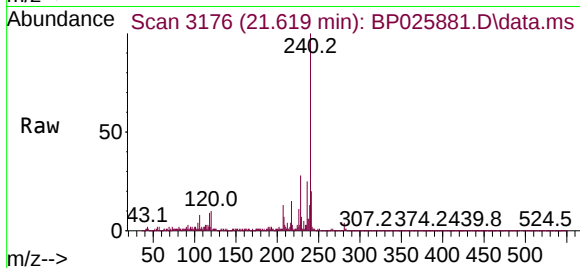
Tgt Ion:240 Resp: 1006029

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

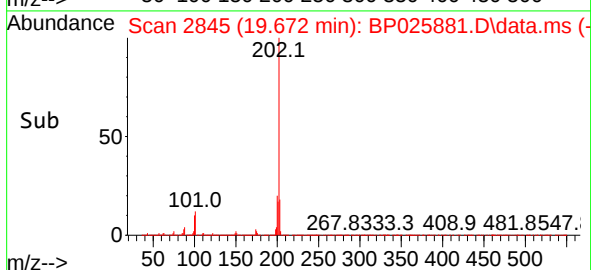
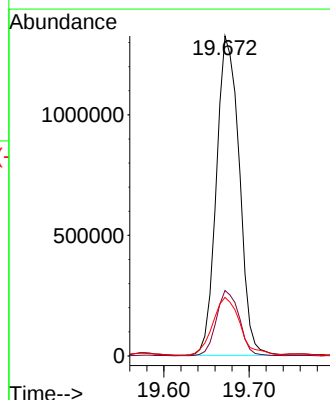
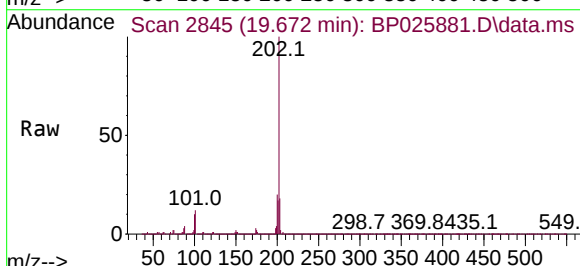
Tgt Ion:202 Resp: 2468437

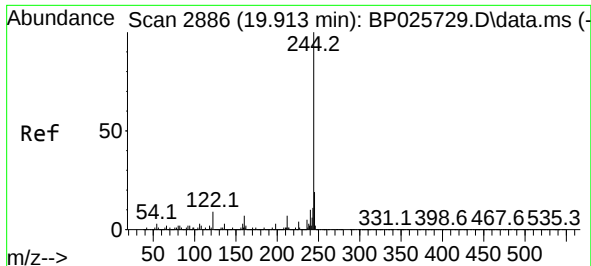
Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

203 18.3 13.9 20.9

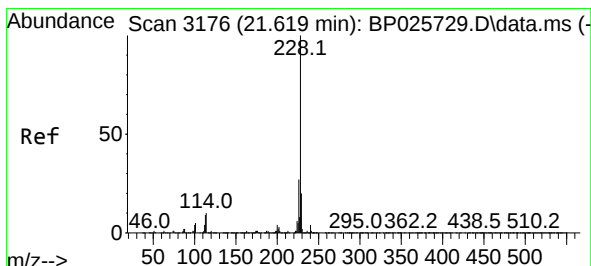
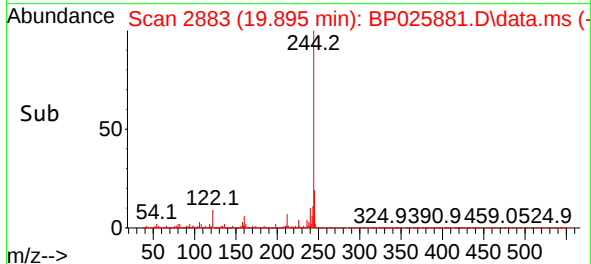
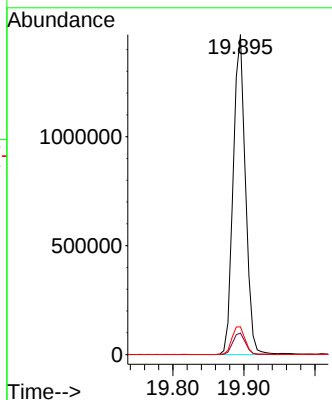
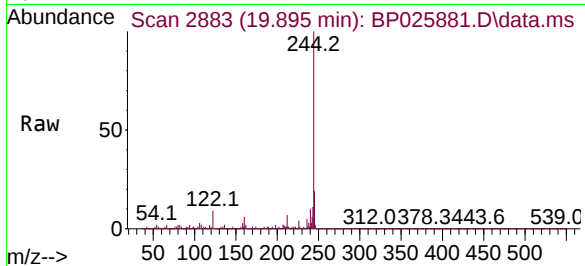




#79
 Terphenyl-d14
 Concen: 31.490 ng
 RT: 19.895 min Scan# 2883
 Delta R.T. -0.018 min
 Lab File: BP025881.D
 Acq: 29 Sep 2025 15:04

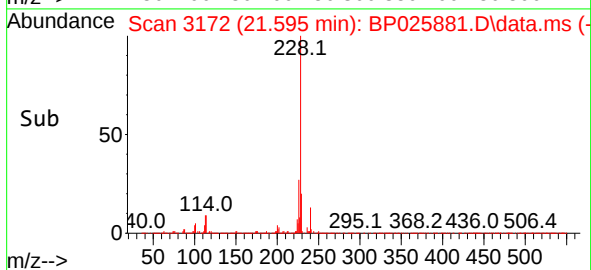
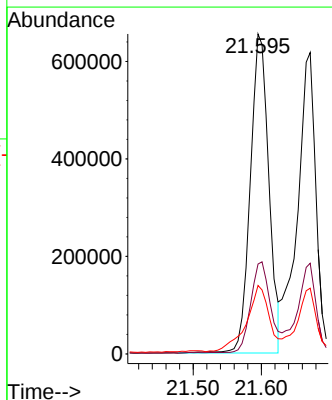
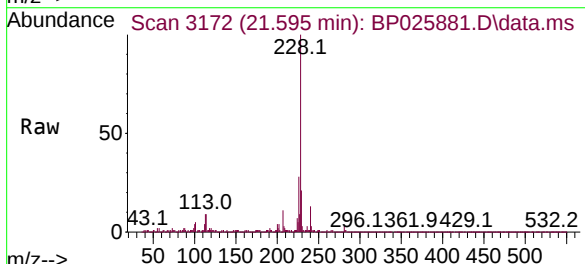
Instrument :
 BNA_P
 ClientSampleId :
 PL-02-092525

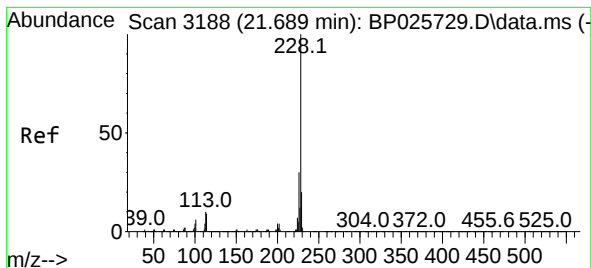
Tgt Ion:244 Resp: 1760961
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 8.7 7.1 10.7



#81
 Benzo(a)anthracene
 Concen: 17.980 ng
 RT: 21.595 min Scan# 3172
 Delta R.T. -0.023 min
 Lab File: BP025881.D
 Acq: 29 Sep 2025 15:04

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# 31

Delta R.T. -0.018 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

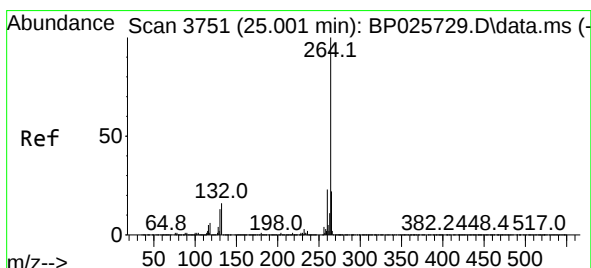
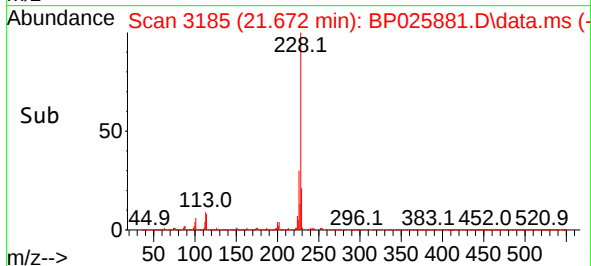
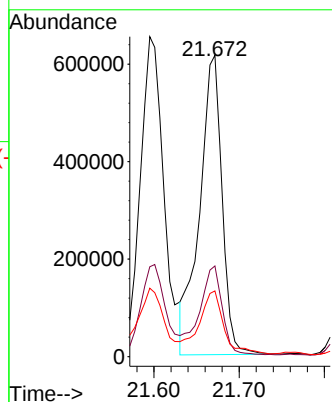
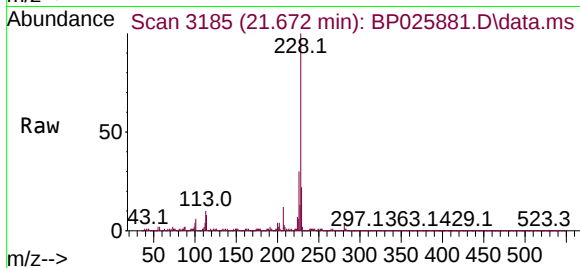
Tgt Ion:228 Resp: 1130345

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# 3747

Delta R.T. -0.023 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

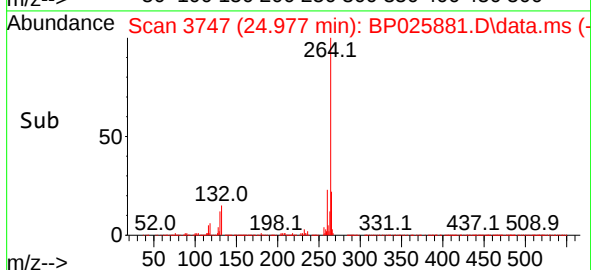
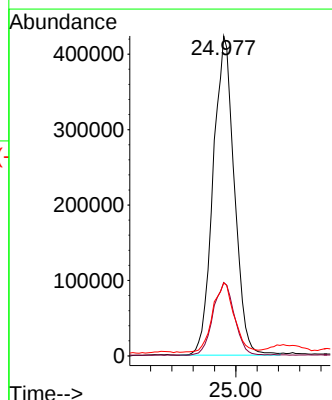
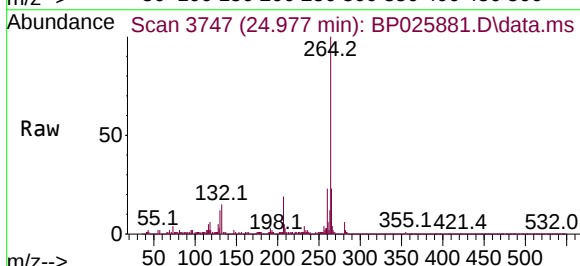
Tgt Ion:264 Resp: 1168451

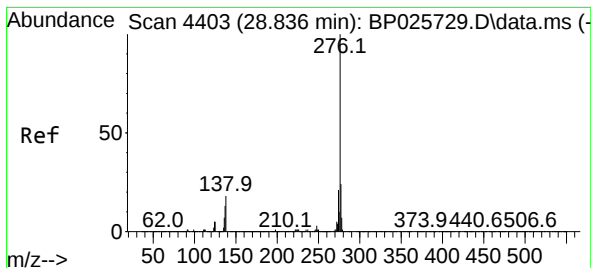
Ion Ratio Lower Upper

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# 43

Delta R.T. -0.041 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

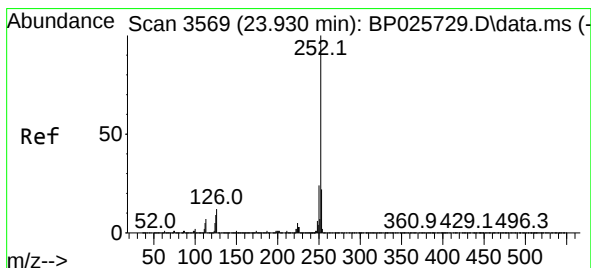
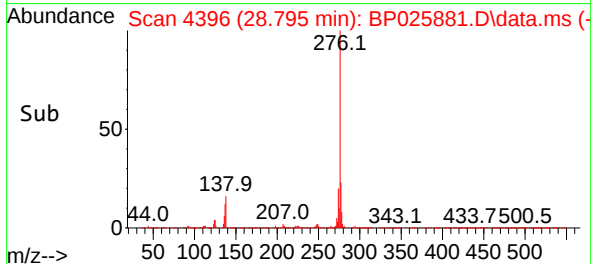
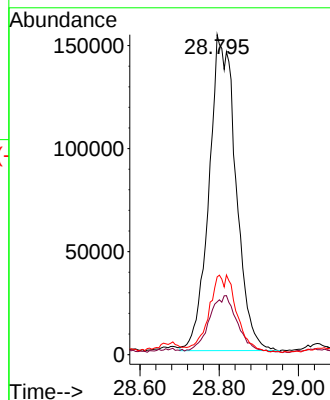
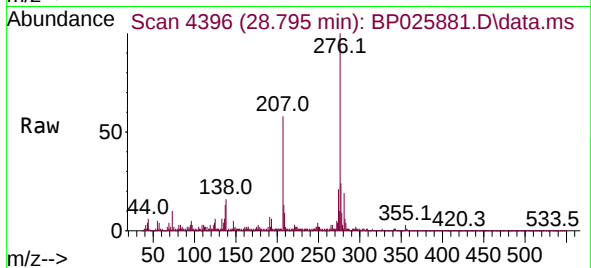
Tgt Ion:276 Resp: 720371

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# 3565

Delta R.T. -0.023 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

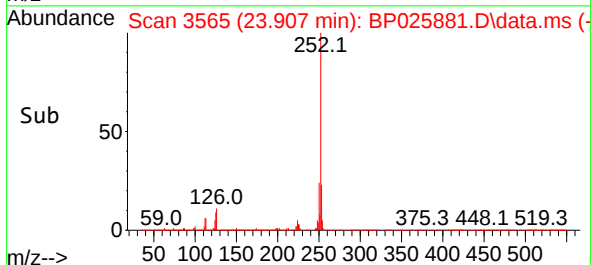
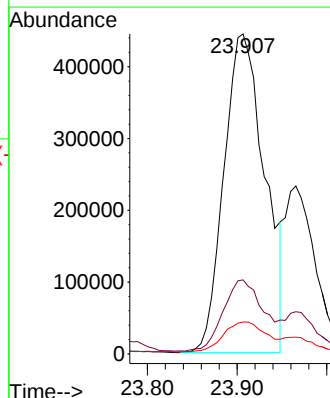
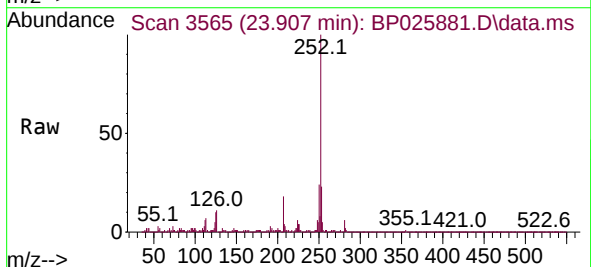
Tgt Ion:252 Resp: 1409743

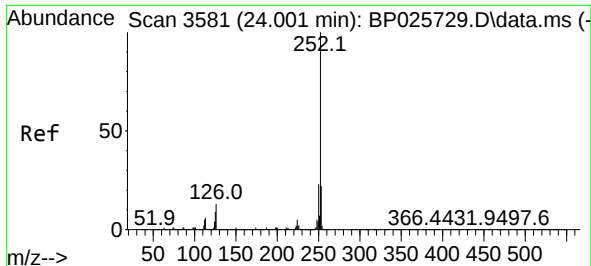
Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 10.0 7.3 10.9

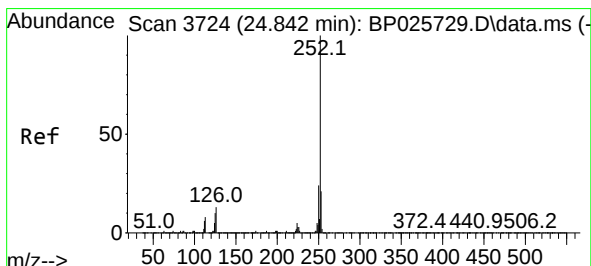
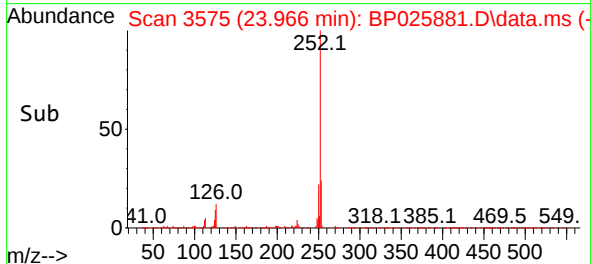
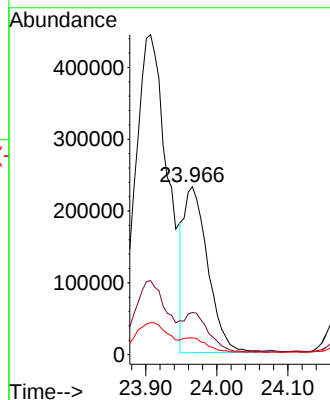
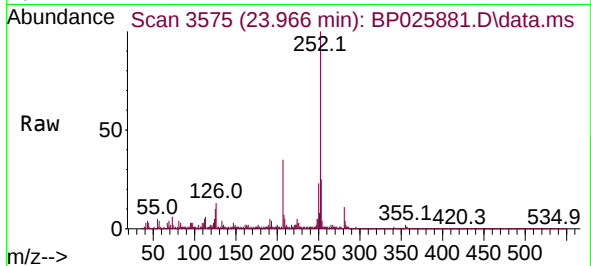




#89
Benzo(k)fluoranthene
Concen: 7.414 ng
RT: 23.966 min Scan# 31
Delta R.T. -0.035 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

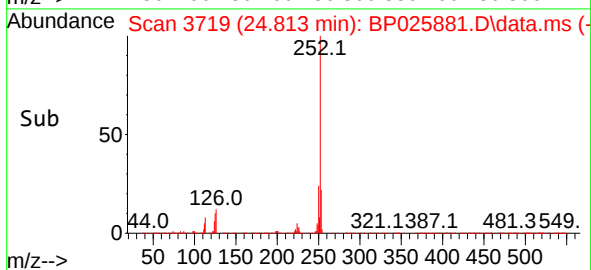
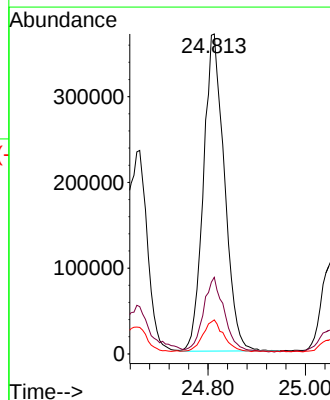
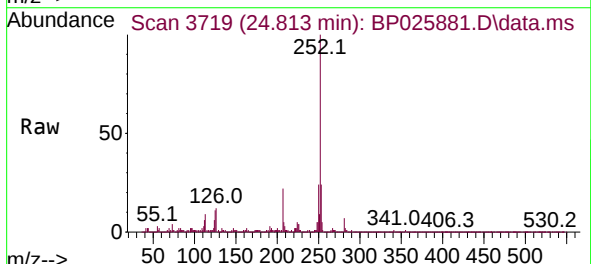
Instrument :
BNA_P
ClientSampleId :
PL-02-092525

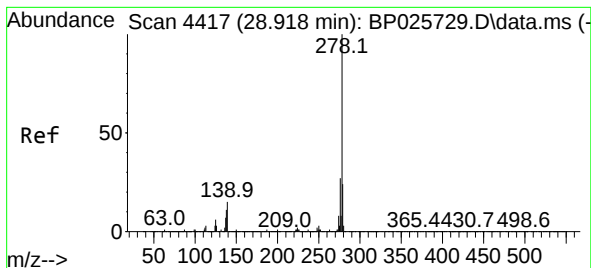
Tgt Ion:252 Resp: 540590
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 10.0 7.5 11.3



#90
Benzo(a)pyrene
Concen: 15.787 ng
RT: 24.813 min Scan# 3719
Delta R.T. -0.029 min
Lab File: BP025881.D
Acq: 29 Sep 2025 15:04

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# 4417

Delta R.T. -0.059 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

Instrument :

BNA_P

ClientSampleId :

PL-02-092525

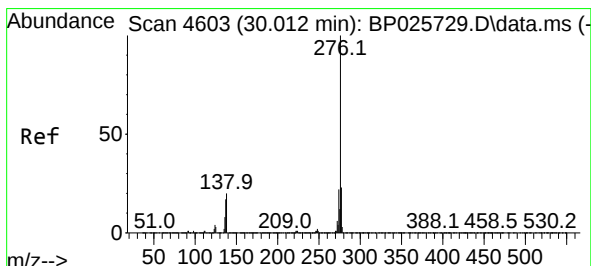
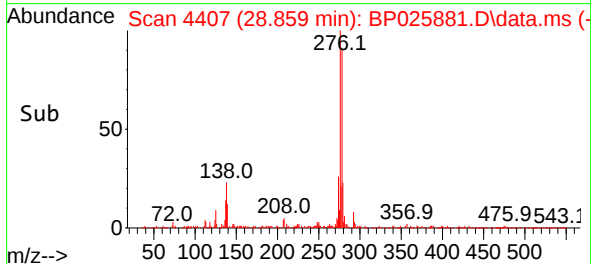
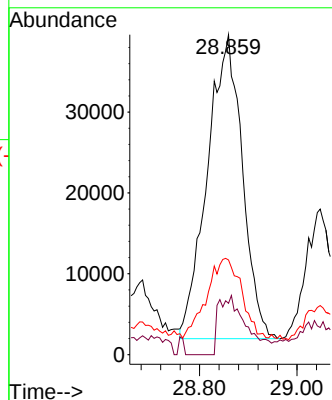
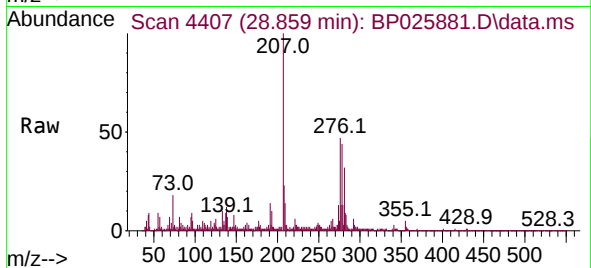
Tgt Ion:278 Resp: 187762

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# 4596

Delta R.T. -0.041 min

Lab File: BP025881.D

Acq: 29 Sep 2025 15:04

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

