

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
 Data File : BP025843.D
 Acq On : 24 Sep 2025 13:18
 Operator : CG/JU
 Sample : Q3159-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 24 13:41:27 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)

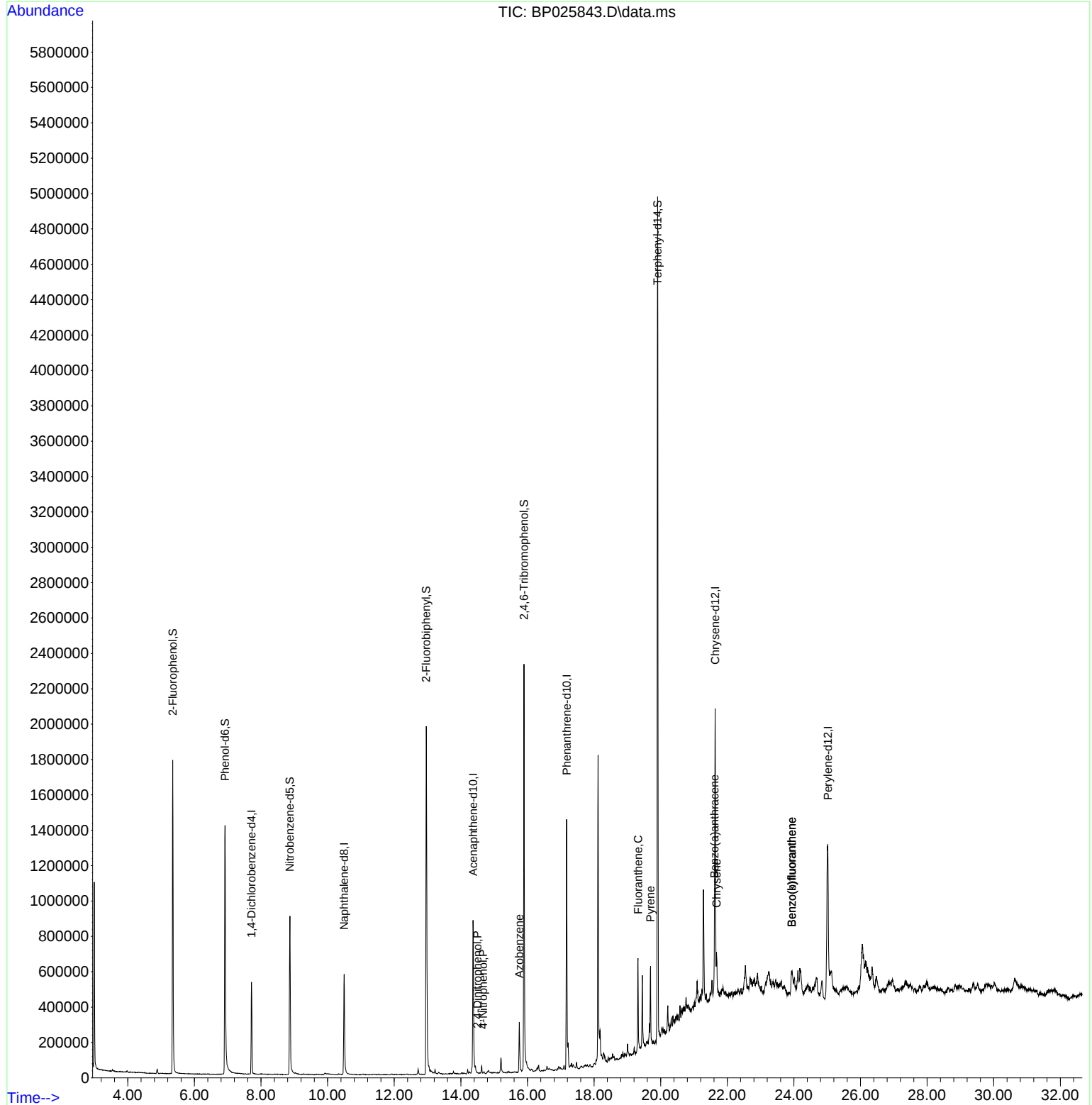
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.713	152	142686	20.000	ng	-0.05
21) Naphthalene-d8	10.496	136	542780	20.000	ng	-0.03
39) Acenaphthene-d10	14.366	164	387337	20.000	ng	-0.01
64) Phenanthrene-d10	17.178	188	869492	20.000	ng	0.00
76) Chrysene-d12	21.636	240	950182	20.000	ng	0.00
86) Perylene-d12	25.018	264	1034347	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.349	112	790578	89.402	ng	-0.04
7) Phenol-d6	6.919	99	1023977	87.118	ng	-0.03
23) Nitrobenzene-d5	8.866	82	607991	49.411	ng	-0.04
42) 2,4,6-Tribromophenol	15.895	330	461437	95.511	ng	-0.01
45) 2-Fluorobiphenyl	12.960	172	1350805	46.435	ng	-0.03
79) Terphenyl-d14	19.907	244	2680460	50.749	ng	0.00
Target Compounds						
						Qvalue
54) 2,4-Dinitrophenol	14.501	184	18	4.829	ng	# 1
56) 4-Nitrophenol	14.666	139	103	4.499	ng	85
63) Azobenzene	15.754	77	88409	3.048	ng	# 1
75) Fluoranthene	19.319	202	249279	4.214	ng	99
78) Pyrene	19.695	202	239204	3.773	ng	99
81) Benzo(a)anthracene	21.613	228	147091	2.261	ng	96
83) Chrysene	21.677	228	158285	2.553	ng	99
88) Benzo(b)fluoranthene	23.936	252	184154	2.911	ng	98
89) Benzo(k)fluoranthene	23.936	252	184154	2.853	ng	97

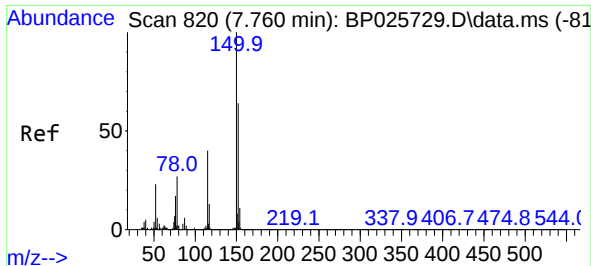
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092425\
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Misc :
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Quant Time: Sep 24 13:41:27 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

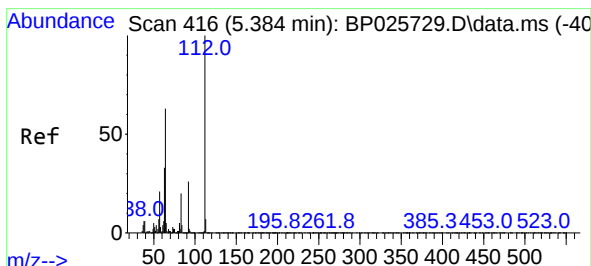
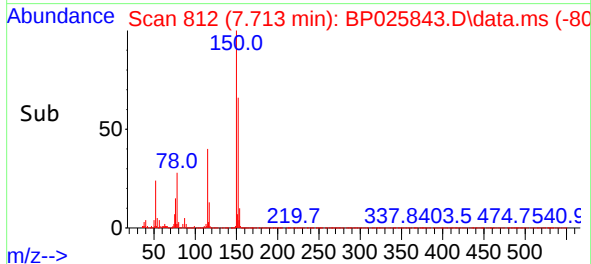
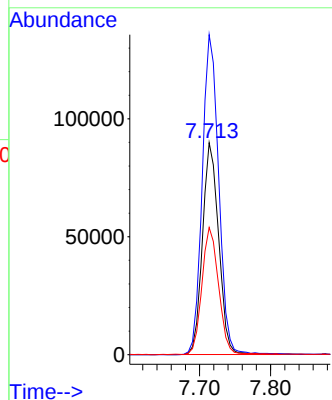
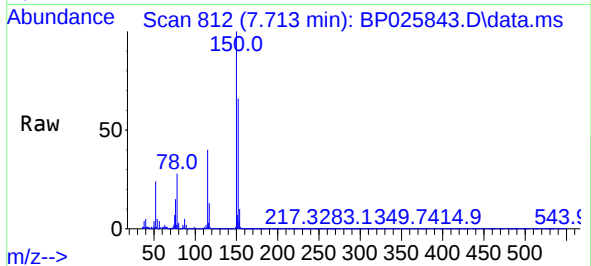




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.713 min Scan# 81
Delta R.T. -0.047 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

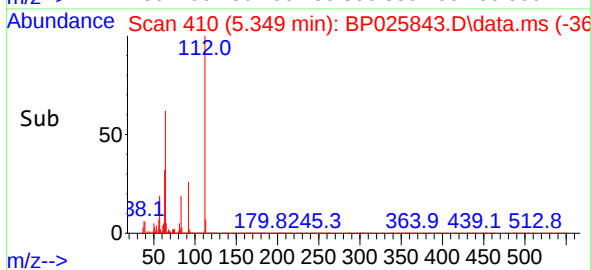
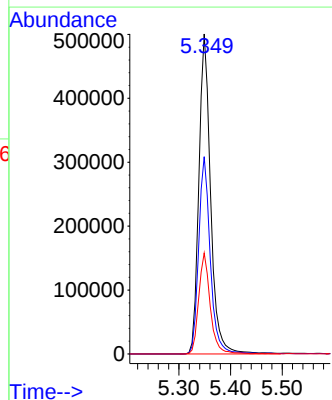
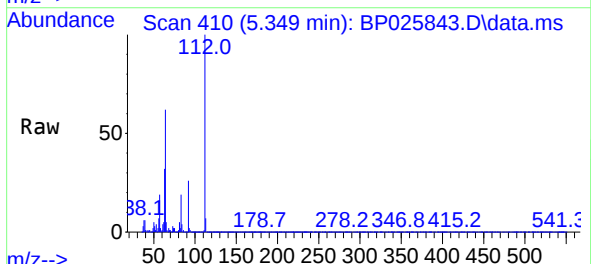
Instrument :
BNA_P
ClientSampleId :

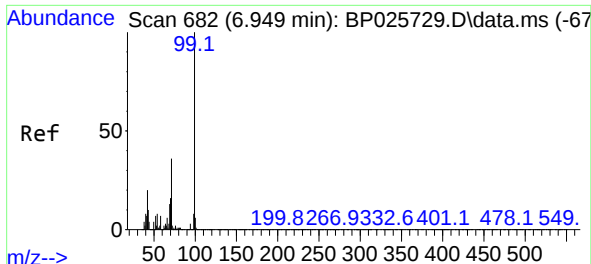
Tgt Ion:152 Resp: 142686
Ion Ratio Lower Upper
152 100
150 150.9 124.3 186.5
115 60.0 50.3 75.5



#5
2-Fluorophenol
Concen: 89.402 ng
RT: 5.349 min Scan# 410
Delta R.T. -0.035 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

Tgt Ion:112 Resp: 790578
Ion Ratio Lower Upper
112 100
64 61.7 50.2 75.4
63 31.6 26.7 40.1

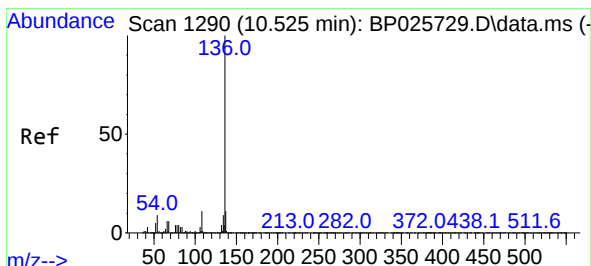
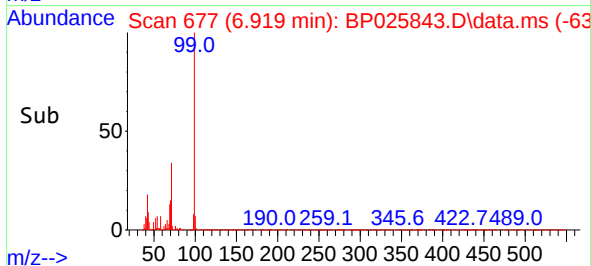
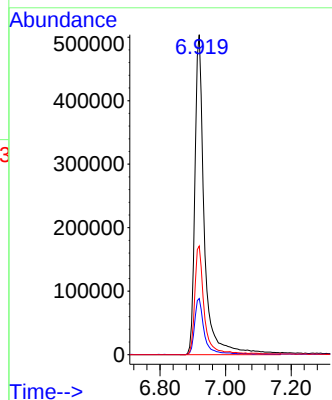
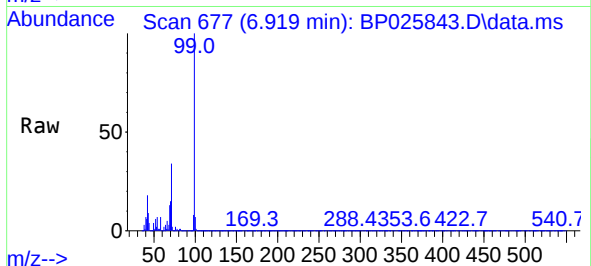




#7
Phenol-d6
Concen: 87.118 ng
RT: 6.919 min Scan# 61
Delta R.T. -0.029 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

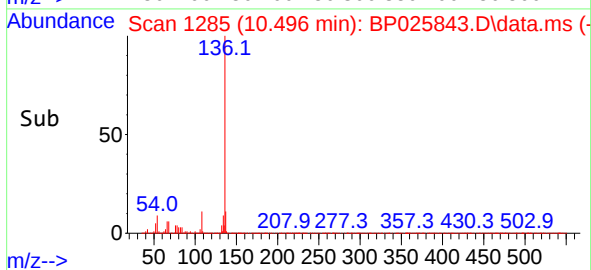
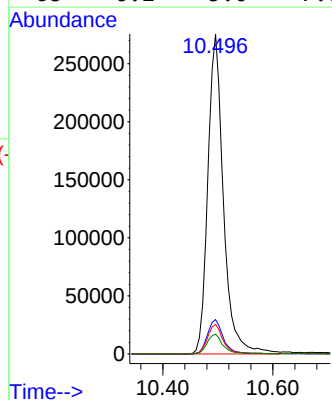
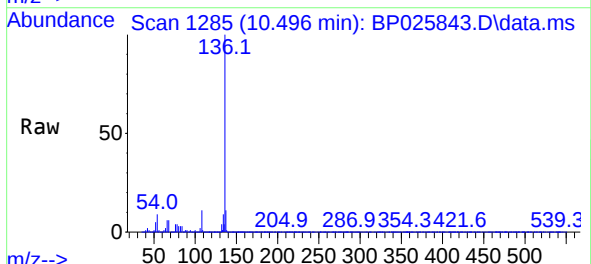
Instrument :
BNA_P
ClientSampleId :

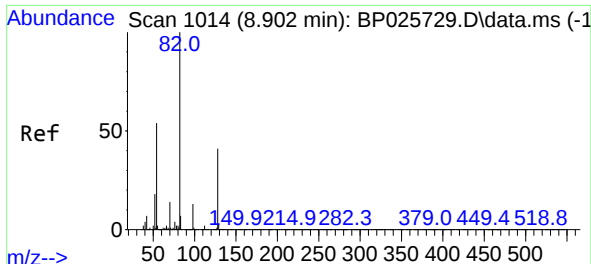
Tgt Ion: 99 Resp: 1023977
Ion Ratio Lower Upper
99 100
42 17.6 15.6 23.4
71 33.9 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.496 min Scan# 1285
Delta R.T. -0.029 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

Tgt Ion: 136 Resp: 542780
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 9.3 7.5 11.3
68 6.2 5.0 7.6

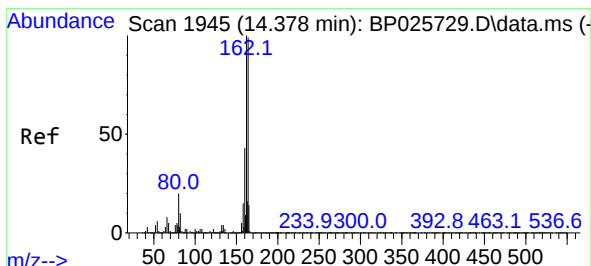
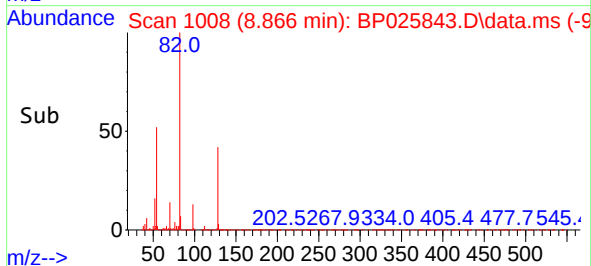
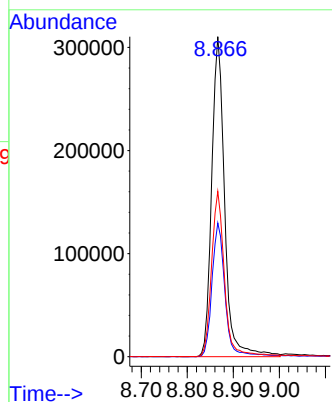
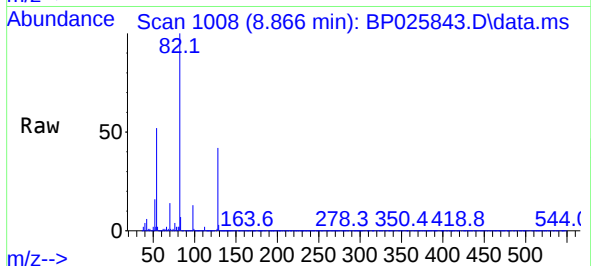




#23
Nitrobenzene-d5
Concen: 49.411 ng
RT: 8.866 min Scan# 1008
Delta R.T. -0.035 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

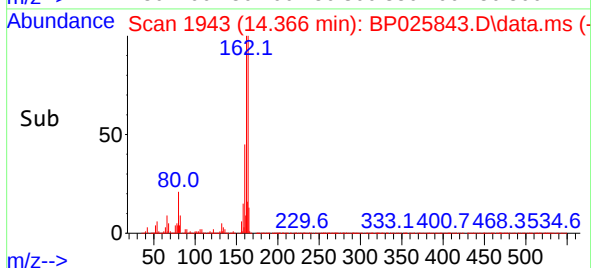
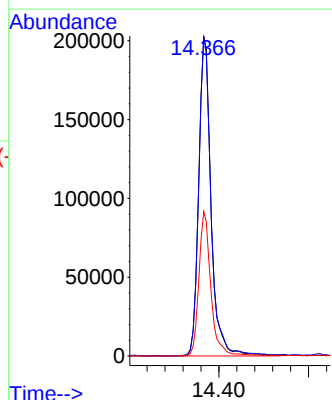
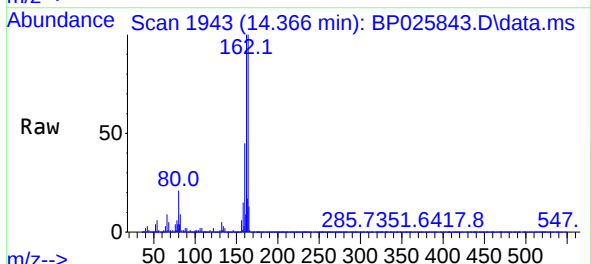
Instrument :
BNA_P
ClientSampleId :

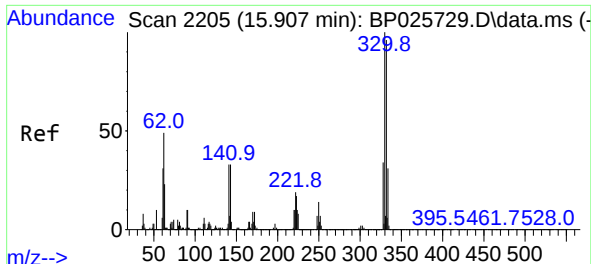
Tgt Ion: 82 Resp: 607991
Ion Ratio Lower Upper
82 100
128 41.8 32.9 49.3
54 51.7 43.4 65.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

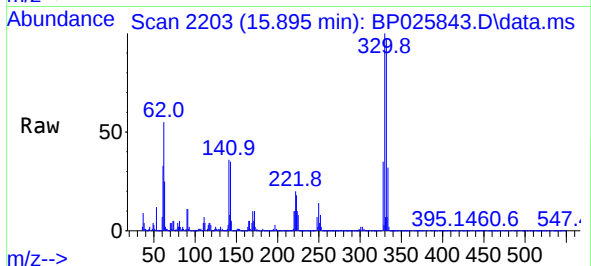
Tgt Ion: 164 Resp: 387337
Ion Ratio Lower Upper
164 100
162 100.4 80.6 120.8
160 45.3 35.0 52.6



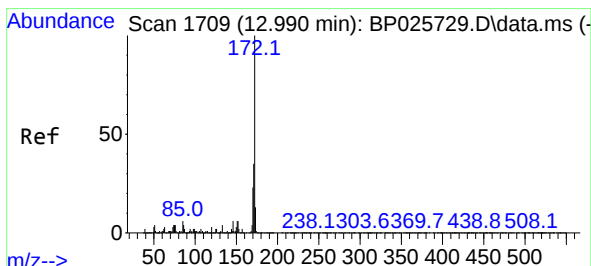
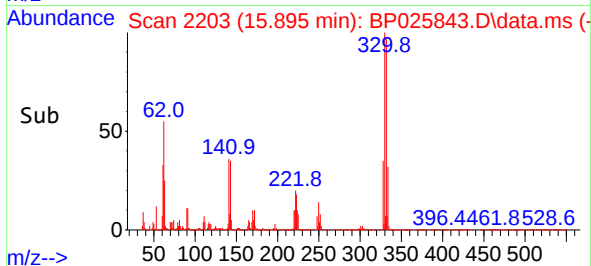
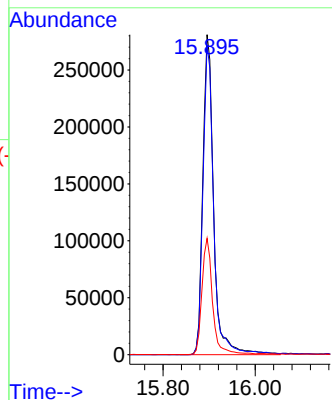


#42
2,4,6-Tribromophenol
Concen: 95.511 ng
RT: 15.895 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

Instrument :
BNA_P
ClientSampleId :

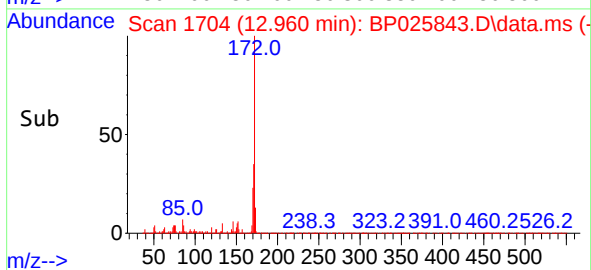
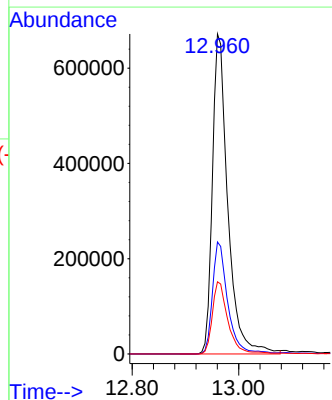
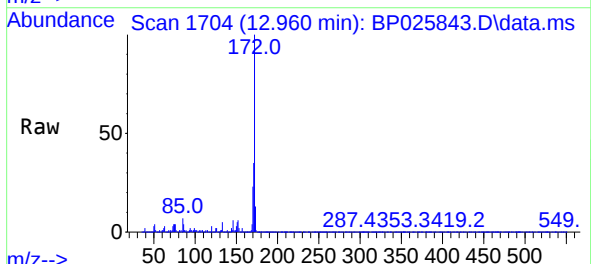


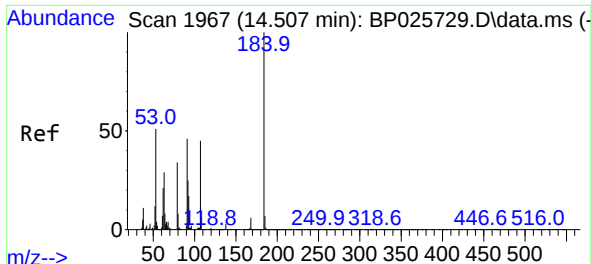
Tgt Ion:330 Resp: 461437
Ion Ratio Lower Upper
330 100
332 96.0 76.9 115.3
141 35.8 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 46.435 ng
RT: 12.960 min Scan# 1704
Delta R.T. -0.029 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

Tgt Ion:172 Resp: 1350805
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 22.6 18.6 27.8

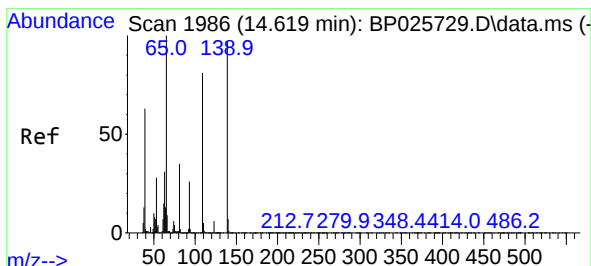
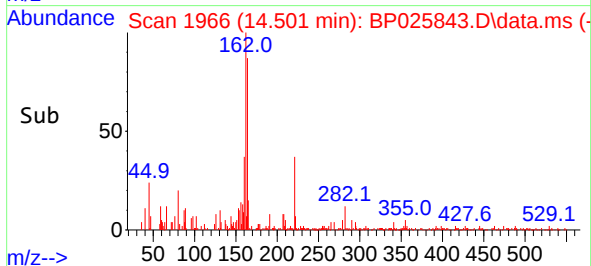
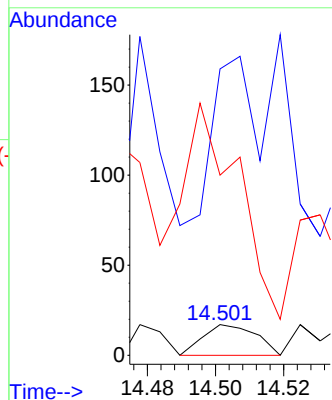
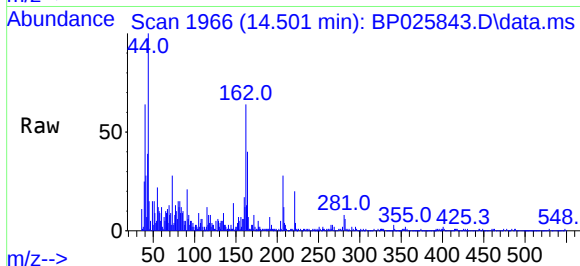




#54
2,4-Dinitrophenol
Concen: 4.829 ng
RT: 14.501 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

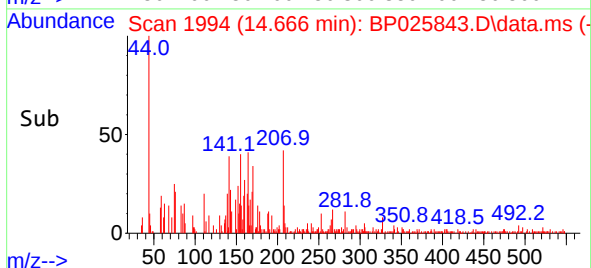
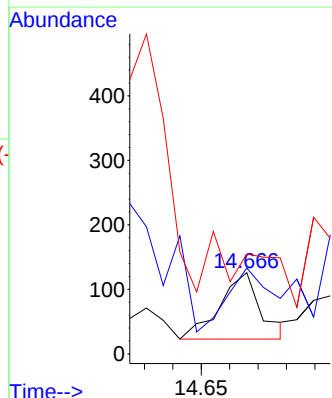
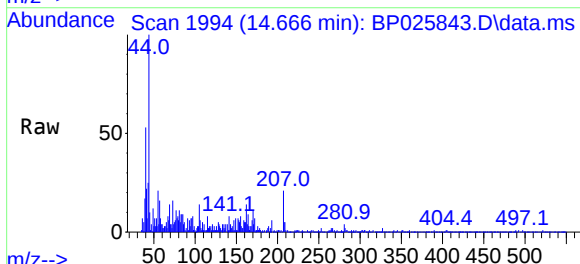
Instrument :
BNA_P
ClientSampleId :

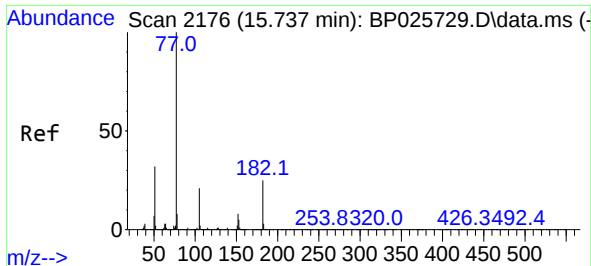
Tgt Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 935.3 52.5 78.7#
154 588.2 51.5 77.3#



#56
4-Nitrophenol
Concen: 4.499 ng
RT: 14.666 min Scan# 1994
Delta R.T. 0.047 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

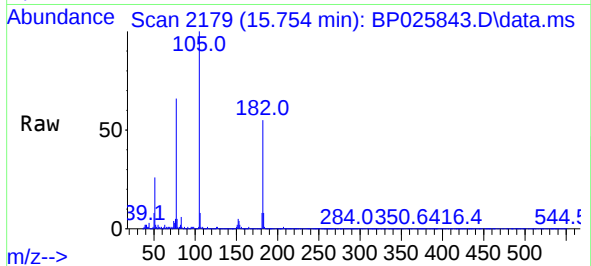
Tgt Ion:139 Resp: 103
Ion Ratio Lower Upper
139 100
109 99.3 62.9 102.9
65 115.7 83.4 123.4



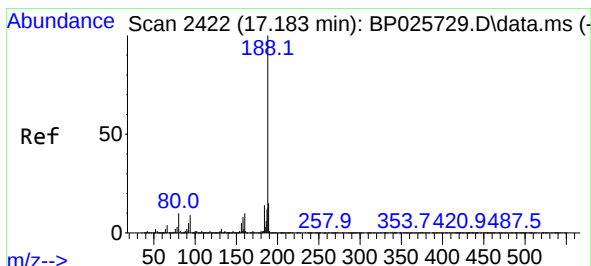
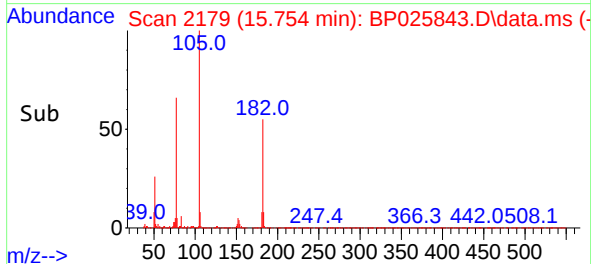
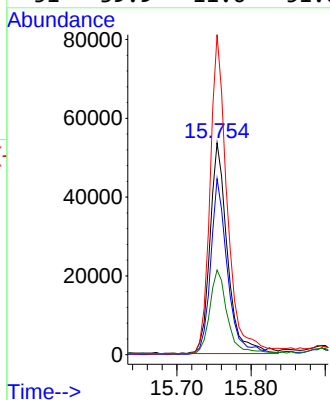


#63
Azobenzene
Concen: 3.048 ng
RT: 15.754 min Scan# 2179
Delta R.T. 0.018 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

Instrument :
BNA_P
ClientSampleId :

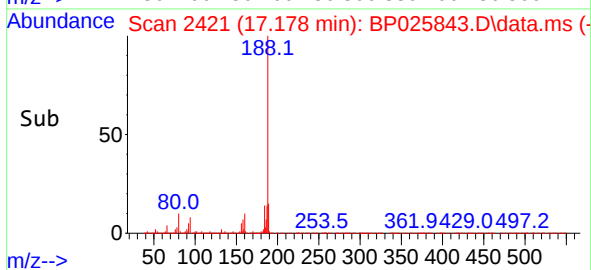
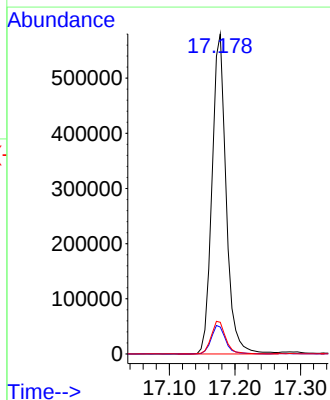
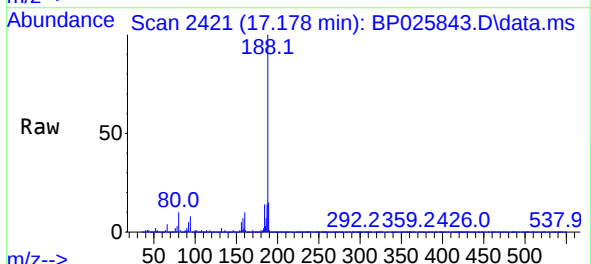


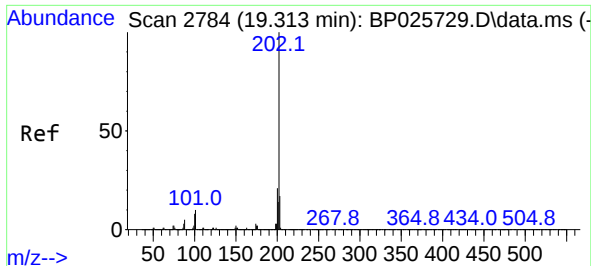
Tgt Ion: 77 Resp: 88409
Ion Ratio Lower Upper
77 100
182 83.1 5.2 45.2#
105 151.0 1.1 41.1#
51 39.9 11.6 51.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.178 min Scan# 2421
Delta R.T. -0.006 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

Tgt Ion:188 Resp: 869492
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.0
80 9.9 7.7 11.5

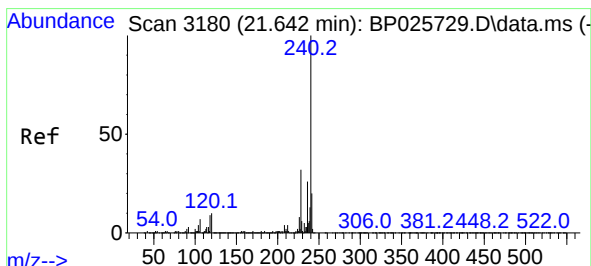
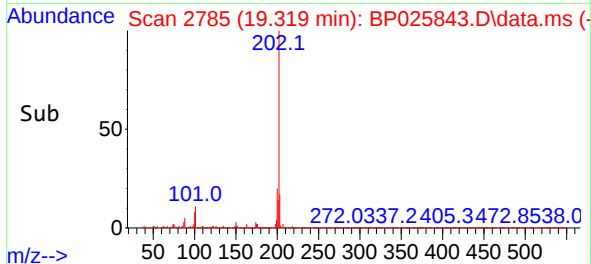
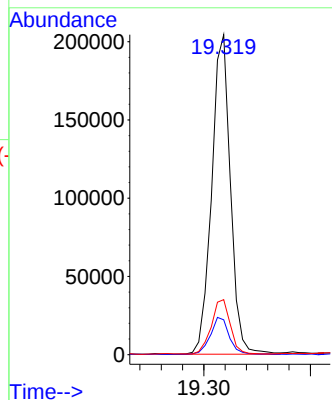
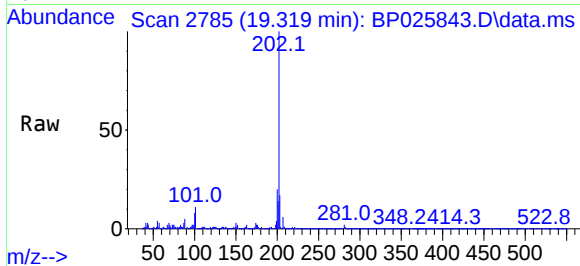




#75
Fluoranthene
Concen: 4.214 ng
RT: 19.319 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

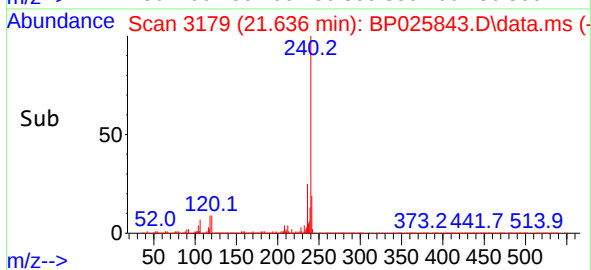
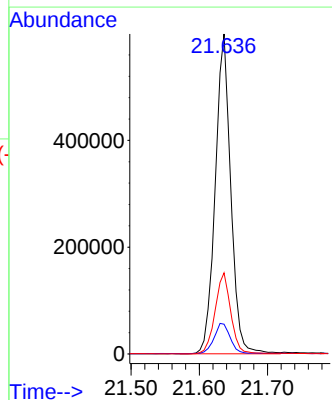
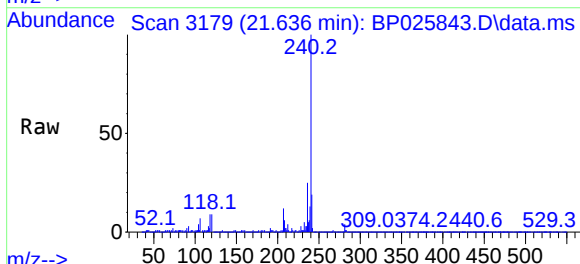
Instrument :
BNA_P
ClientSampleId :

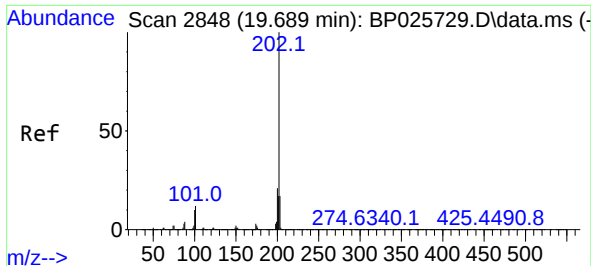
Tgt Ion:202 Resp: 249279
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.4
203 17.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3179
Delta R.T. -0.006 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

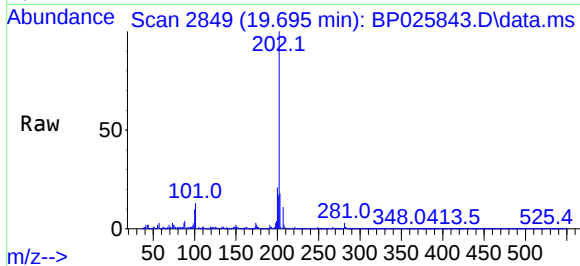
Tgt Ion:240 Resp: 950182
Ion Ratio Lower Upper
240 100
120 9.3 8.0 12.0
236 25.4 20.7 31.1



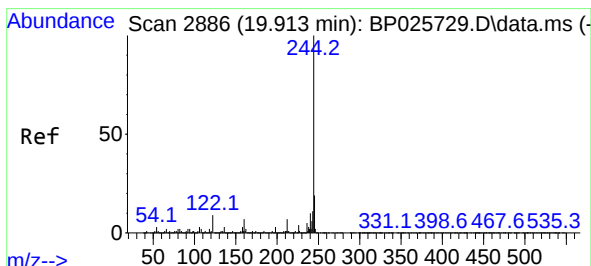
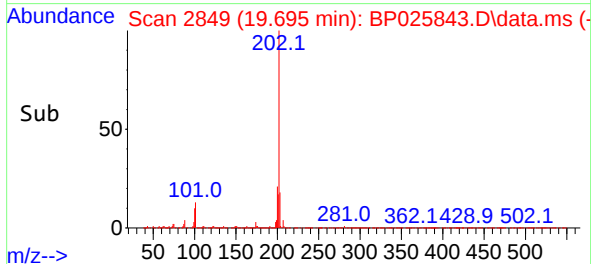
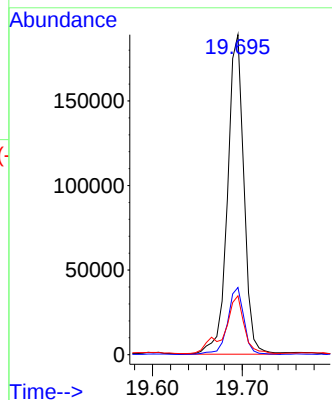


#78
 Pyrene
 Concen: 3.773 ng
 RT: 19.695 min Scan# 2849
 Delta R.T. 0.006 min
 Lab File: BP025843.D
 Acq: 24 Sep 2025 13:18

Instrument :
 BNA_P
 ClientSampleId :

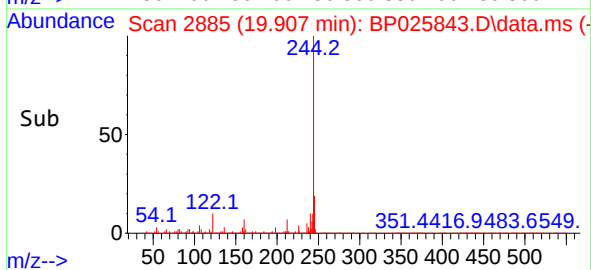
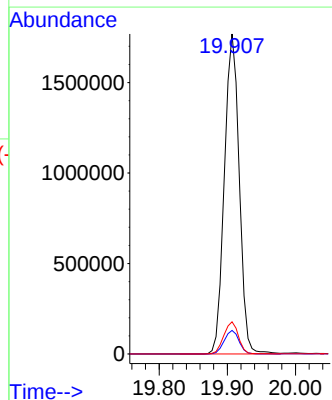
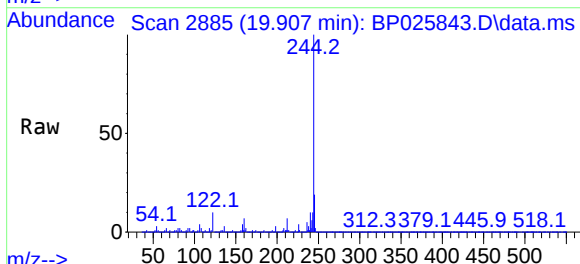


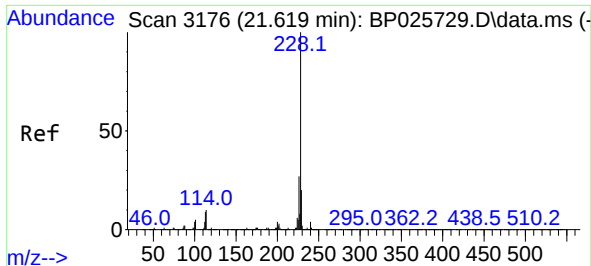
Tgt Ion:202 Resp: 239204
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.6
 203 18.4 13.9 20.9



#79
 Terphenyl-d14
 Concen: 50.749 ng
 RT: 19.907 min Scan# 2885
 Delta R.T. -0.006 min
 Lab File: BP025843.D
 Acq: 24 Sep 2025 13:18

Tgt Ion:244 Resp: 2680460
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 10.0 7.1 10.7

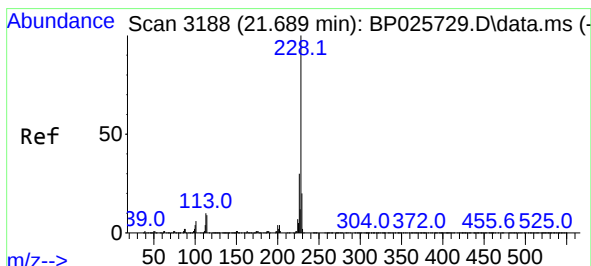
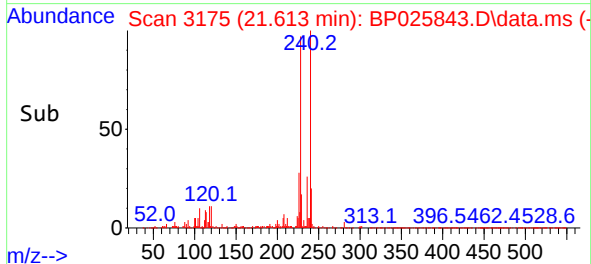
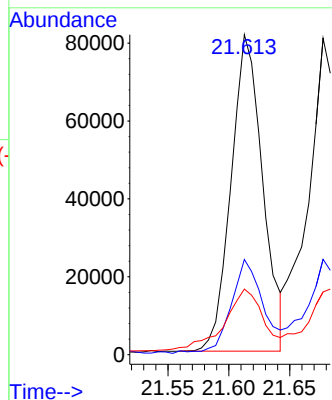
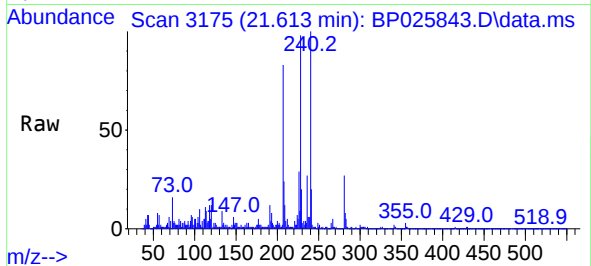




#81
Benzo(a)anthracene
Concen: 2.261 ng
RT: 21.613 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

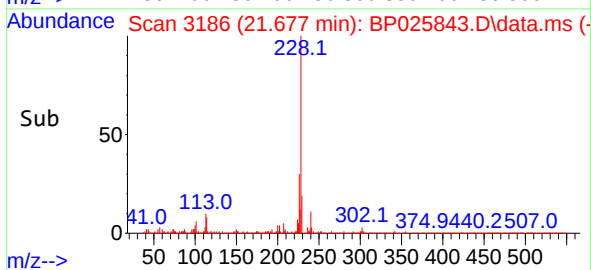
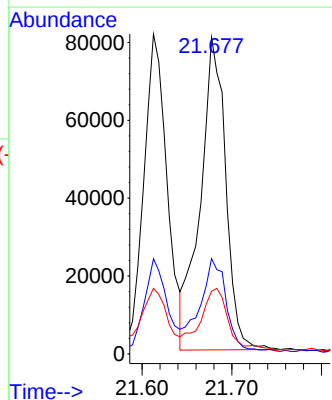
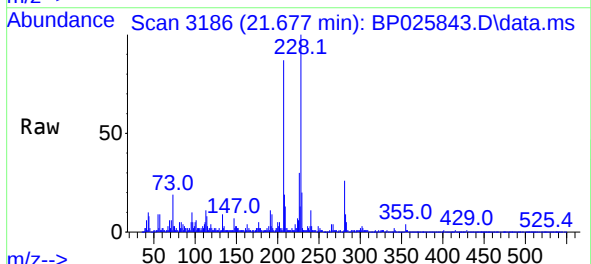
Instrument :
BNA_P
ClientSampleId :

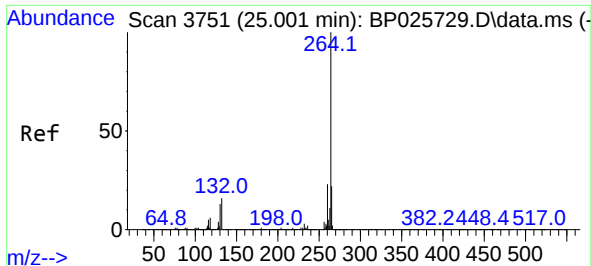
Tgt Ion:228 Resp: 147091
Ion Ratio Lower Upper
228 100
226 29.7 21.6 32.4
229 20.5 15.7 23.5



#83
Chrysene
Concen: 2.553 ng
RT: 21.677 min Scan# 3186
Delta R.T. -0.012 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

Tgt Ion:228 Resp: 158285
Ion Ratio Lower Upper
228 100
226 30.1 23.8 35.6
229 19.8 15.6 23.4

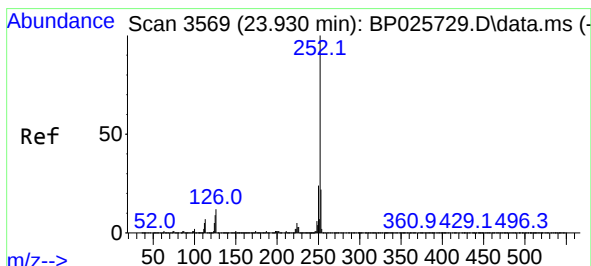
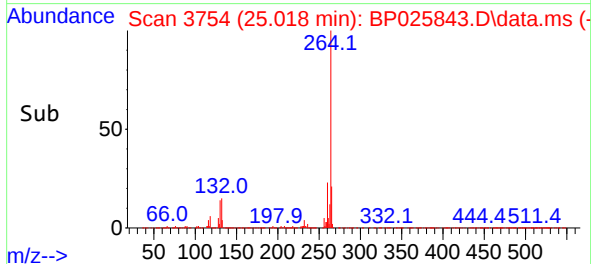
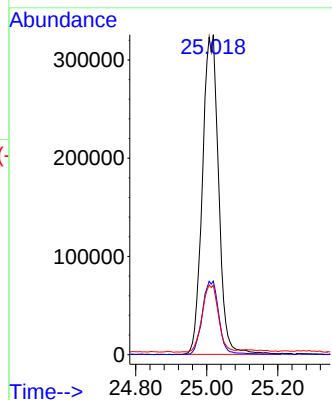
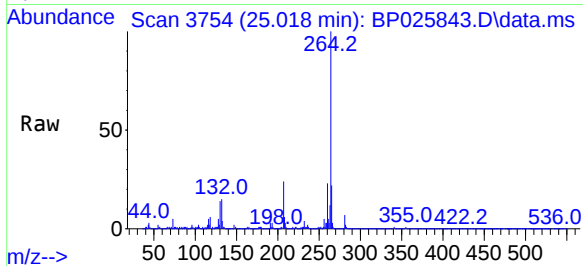




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

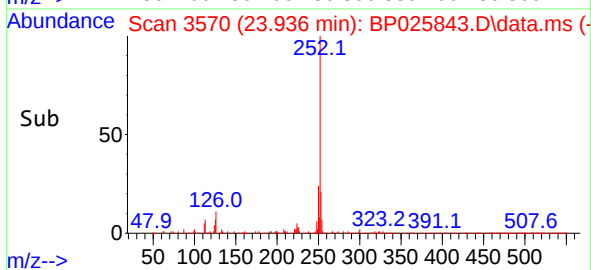
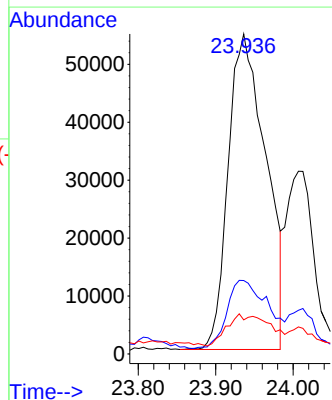
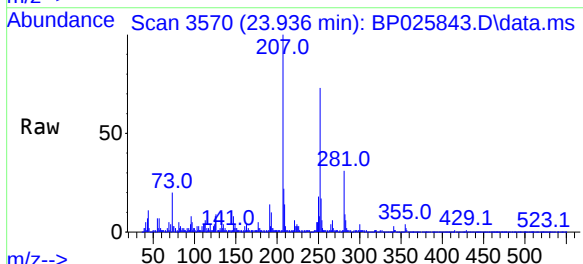
Instrument :
BNA_P
ClientSampleId :

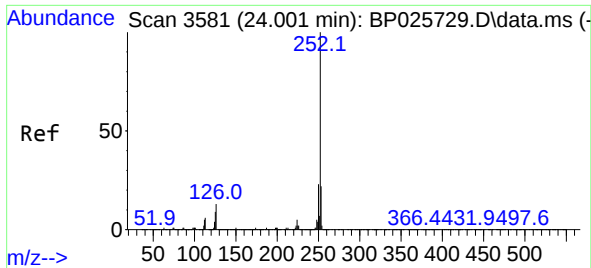
Tgt Ion:264 Resp: 1034347
Ion Ratio Lower Upper
264 100
260 23.0 18.3 27.5
265 21.7 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 2.911 ng
RT: 23.936 min Scan# 3570
Delta R.T. 0.006 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

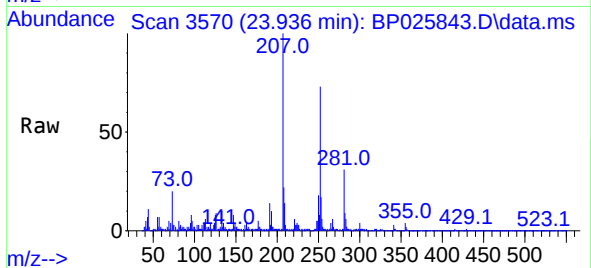
Tgt Ion:252 Resp: 184154
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 10.7 7.3 10.9





#89
Benzo(k)fluoranthene
Concen: 2.853 ng
RT: 23.936 min Scan# 31
Delta R.T. -0.065 min
Lab File: BP025843.D
Acq: 24 Sep 2025 13:18

Instrument :
BNA_P
ClientSampleId :



Tgt Ion:252 Resp: 184154
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.7 7.5 11.3

