Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071825\
Data File : BP025193.D
Acq On : 18 Jul 2025 15:14
Operator : CG/JU
Sample : Q2621-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Quant Time: Jul 18 16:01:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 03 16:05:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.443	152	739973	20.000	ng		0.00
21) Naphthalene-d8	10.190	136	2845270	20.000	ng		0.00
39) Acenaphthene-d10	14.090	164	1754828	20.000	ng		0.00
64) Phenanthrene-d10	16.913	188	3467640	20.000	ng		0.00
76) Chrysene-d12	21.360	240	3448094	20.000	ng		0.02
86) Perylene-d12	24.518	264	4126968	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.108	112	3183438	76.227	ng		0.01
7) Phenol-d6	6.643	99	3915066	71.837	ng		0.01
23) Nitrobenzene-d5	8.572	82	2379522	55.619	ng		0.00
42) 2,4,6-Tribromophenol	15.625	330	1974829	95.263	ng		0.00
45) 2-Fluorobiphenyl	12.695	172	6019331	53.139	ng		0.00
79) Terphenyl-d14	19.683	244	8742930	55.727	ng		0.01
Target Compounds							Qvalue
49) Acenaphthylene	13.807	152	722111	4.916	ng		99
52) Acenaphthene	14.160	154	510768	5.395	ng		99
55) Dibenzofuran	14.501	168	391279	2.504	ng		97
58) Fluorene	15.166	166	791418	6.549	ng		99
71) Phenanthrene	16.954	178	8111009	43.774	ng		99
72) Anthracene	17.060	178	2870682	16.149	ng		99
73) Carbazole	17.331	167	924516	5.319	ng		99
75) Fluoranthene	19.072	202	12691368	58.597	ng		95
78) Pyrene	19.448	202	11208060	52.480	ng		99
81) Benzo(a)anthracene	21.342	228	6874116	32.897	ng		96
83) Chrysene	21.401	228	5937444	29.526	ng		97
87) Indeno(1,2,3-cd)pyrene	28.071	276	3428789	13.042	ng	#	88
88) Benzo(b)fluoranthene	23.524	252	7080167	29.475	ng		97
89) Benzo(k)fluoranthene	23.577	252	2556383	10.696	ng		96
90) Benzo(a)pyrene	24.365	252	5732849	28.041	ng		98
91) Dibenzo(a,h)anthracene	28.136	278	1035497	4.765	ng	#	86
92) Benzo(g,h,i)perylene	29.159	276	3012129	13.417	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071825\
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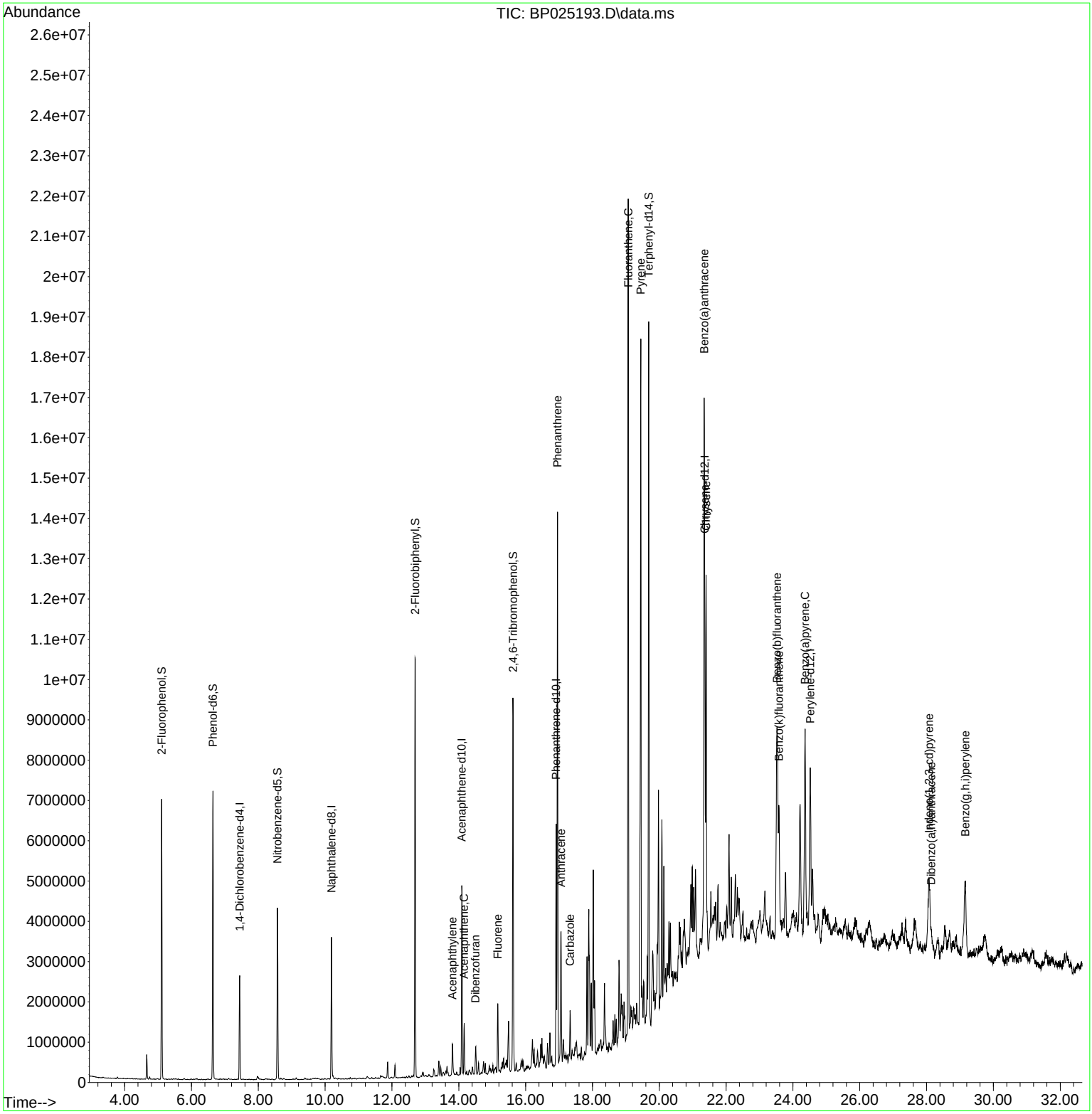
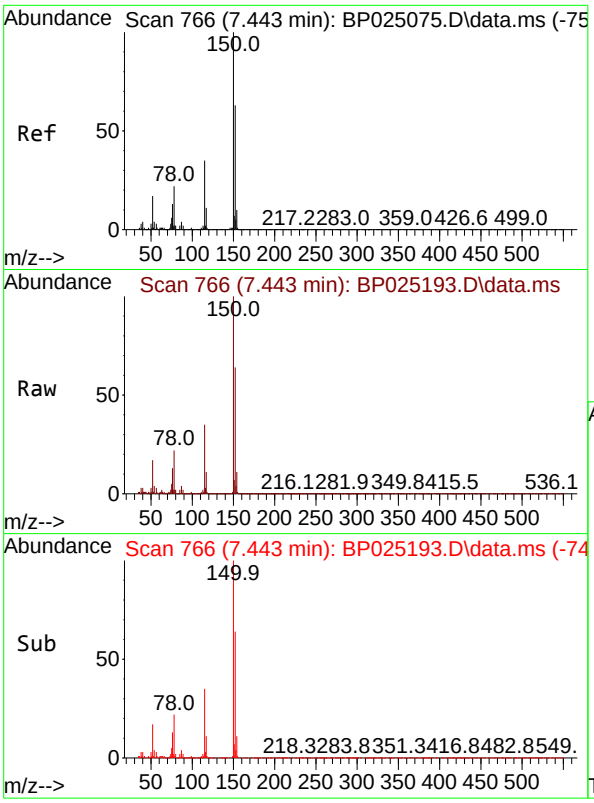


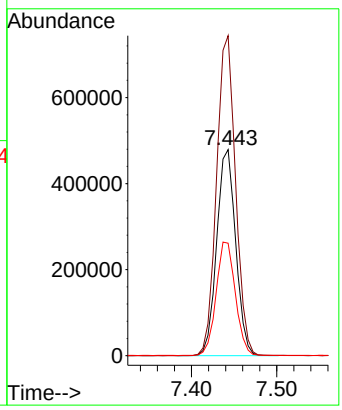


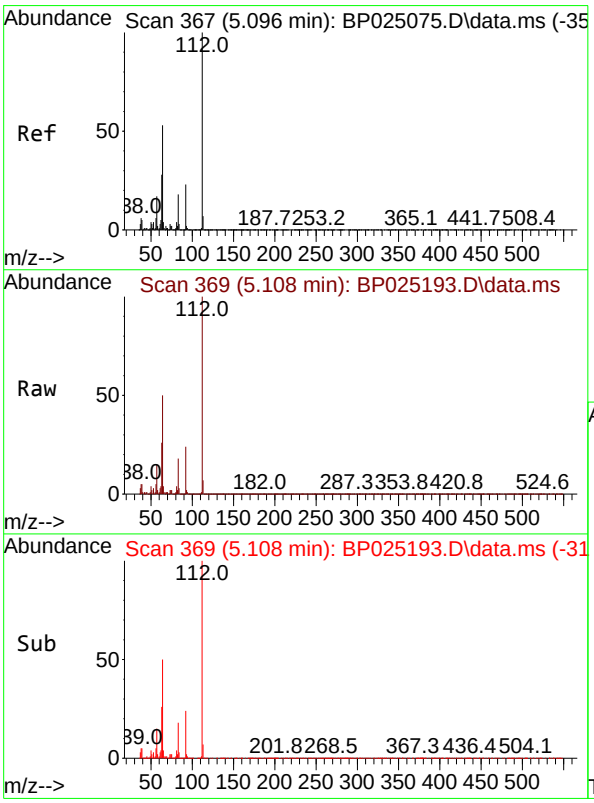
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.443 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:152 Resp: 739973

Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.1	189.1
115	54.6	44.3	66.5

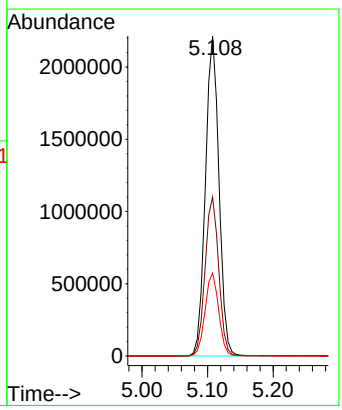


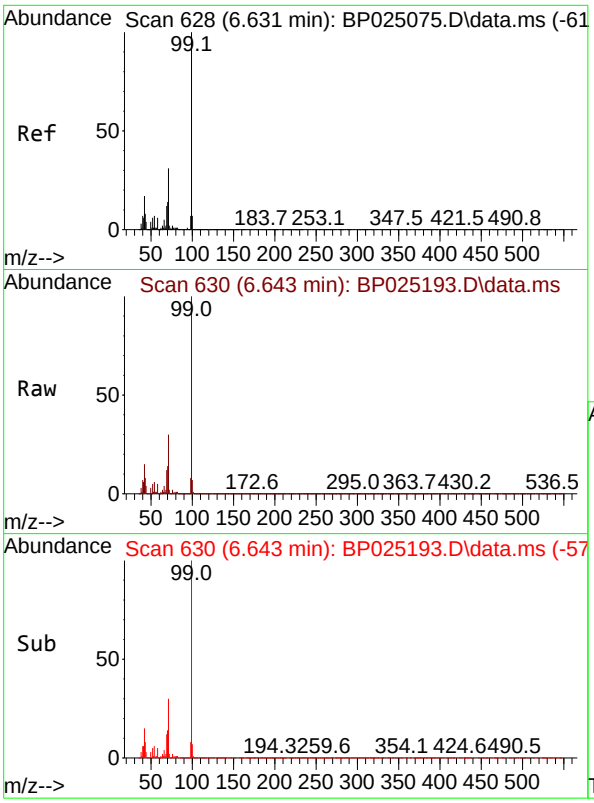


#5
2-Fluorophenol
Concen: 76.227 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.012 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:112 Resp: 3183438

Ion	Ratio	Lower	Upper
112	100		
64	49.7	42.0	63.0
63	25.9	22.2	33.2



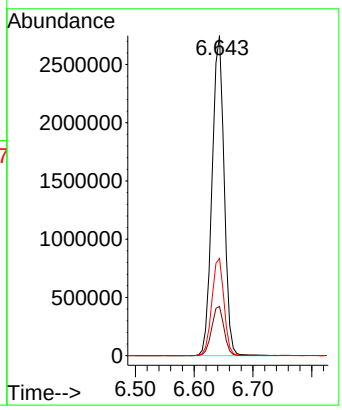


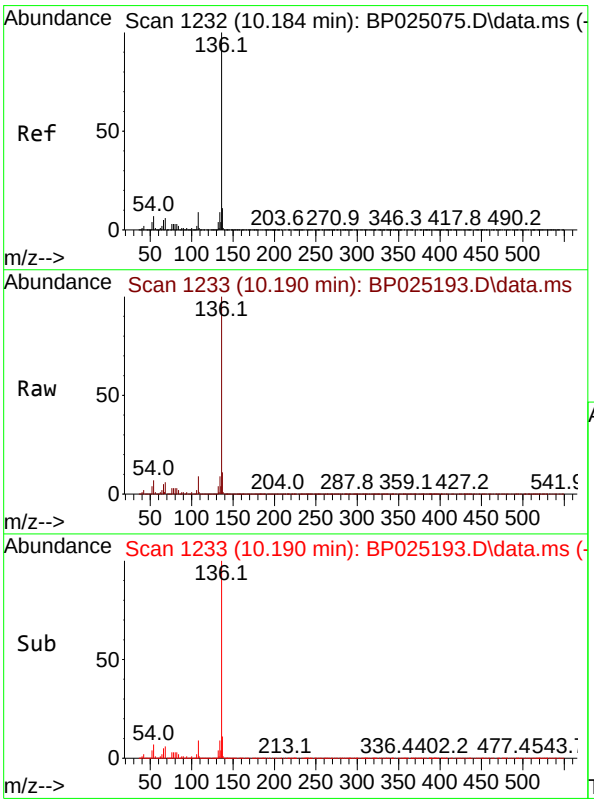
#7
Phenol-d6
Concen: 71.837 ng
RT: 6.643 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion: 99 Resp: 3915066

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.6	20.4
71	30.4	24.4	36.6

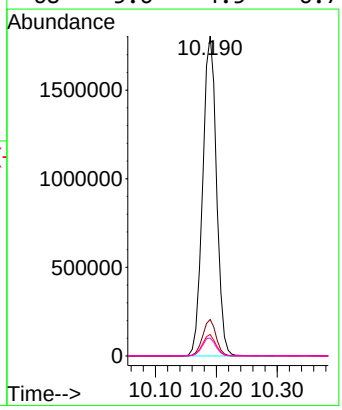


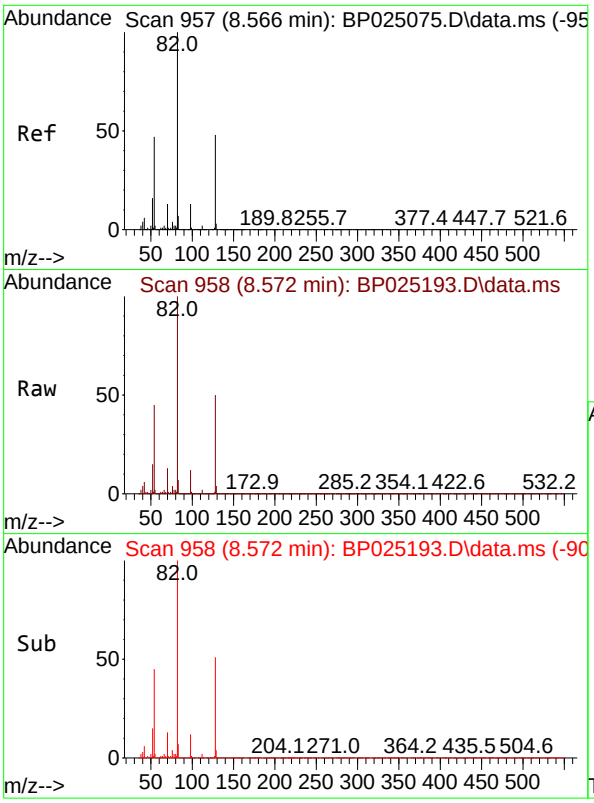


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:136 Resp: 2845270

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	6.7	5.4	8.2
68	5.6	4.5	6.7



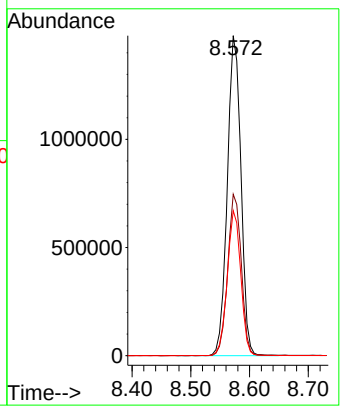


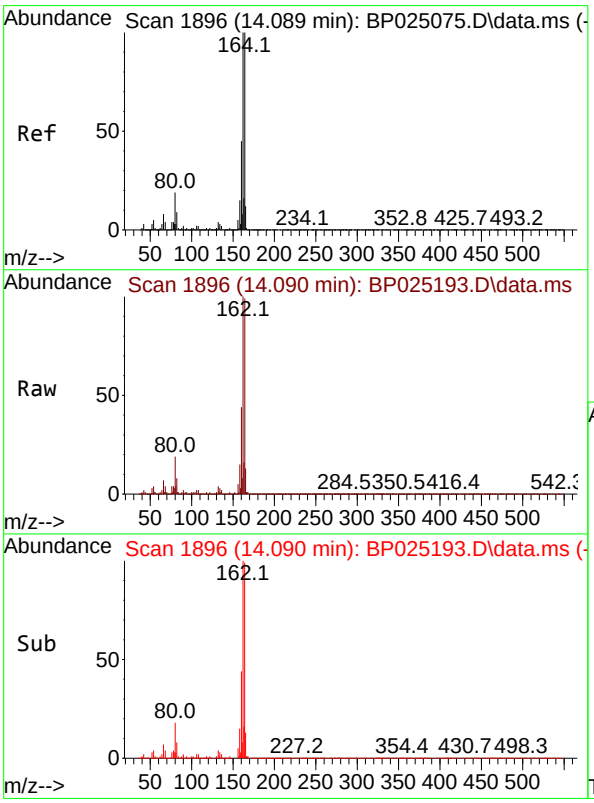
#23
Nitrobenzene-d5
Concen: 55.619 ng
RT: 8.572 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion: 82 Resp: 2379522

Ion	Ratio	Lower	Upper
82	100		
128	50.5	38.4	57.6
54	45.3	37.8	56.6

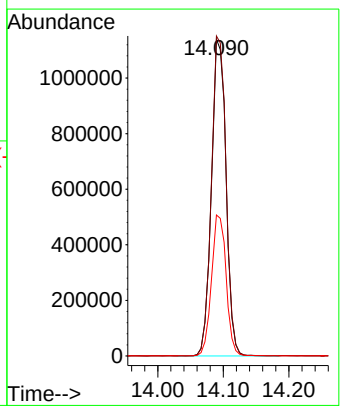


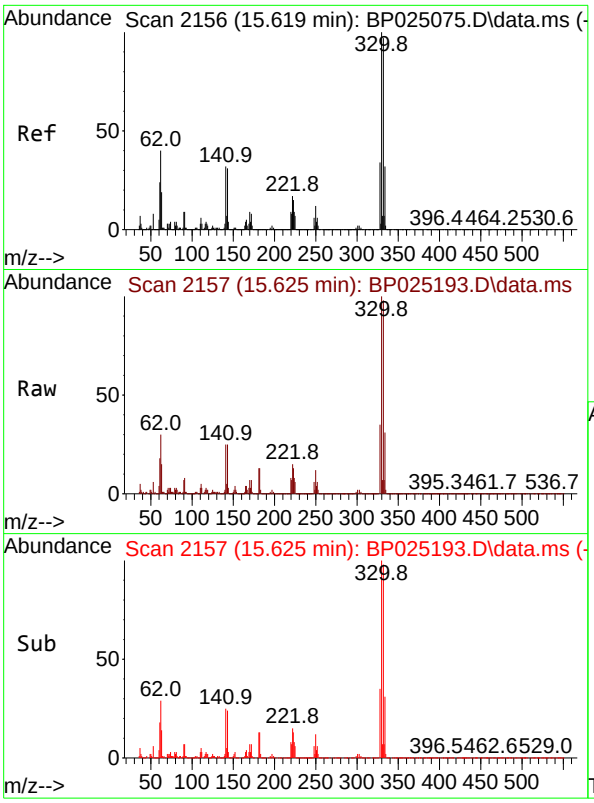


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.090 min Scan# 1896
Delta R.T. 0.001 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:164 Resp: 1754828

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.3	120.5
160	44.5	35.9	53.9



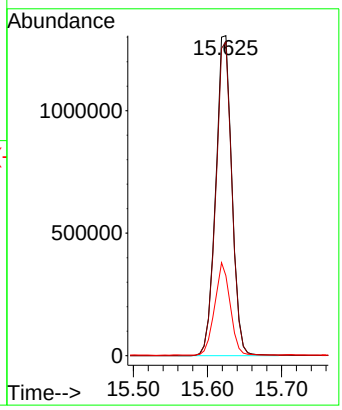


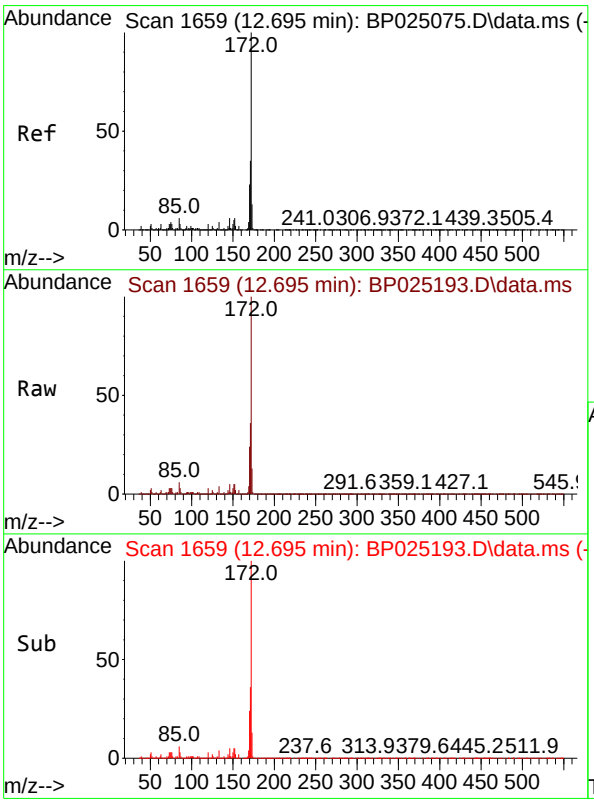
#42
2,4,6-Tribromophenol
Concen: 95.263 ng
RT: 15.625 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:330 Resp: 1974829

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.7	116.5
141	27.4	26.0	39.0

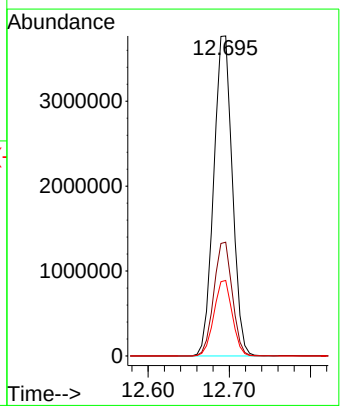


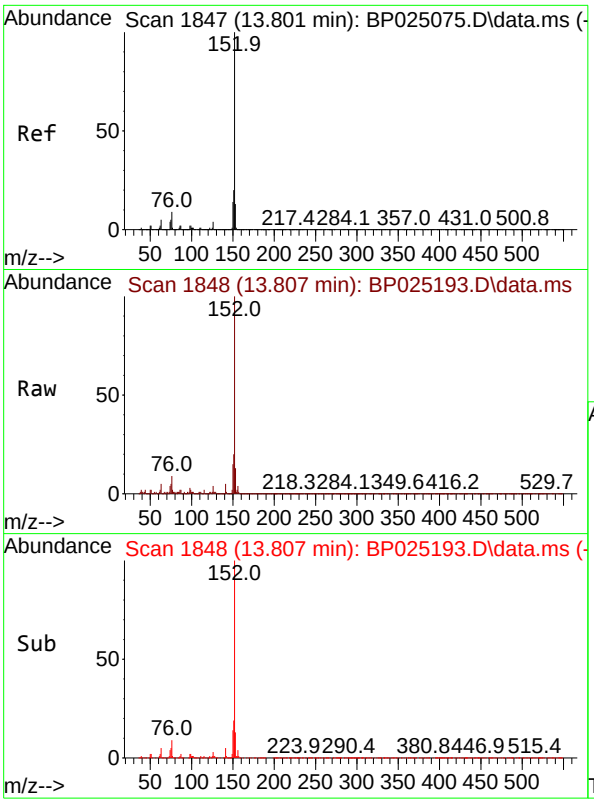


#45
2-Fluorobiphenyl
Concen: 53.139 ng
RT: 12.695 min Scan# 1659
Delta R.T. 0.000 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:172 Resp: 6019331

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	23.6	18.7	28.1



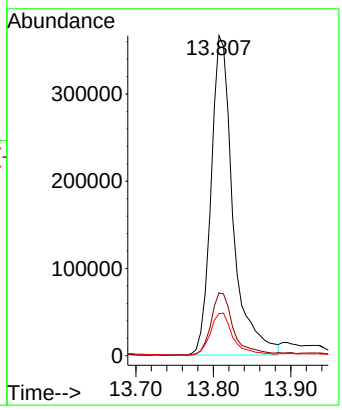


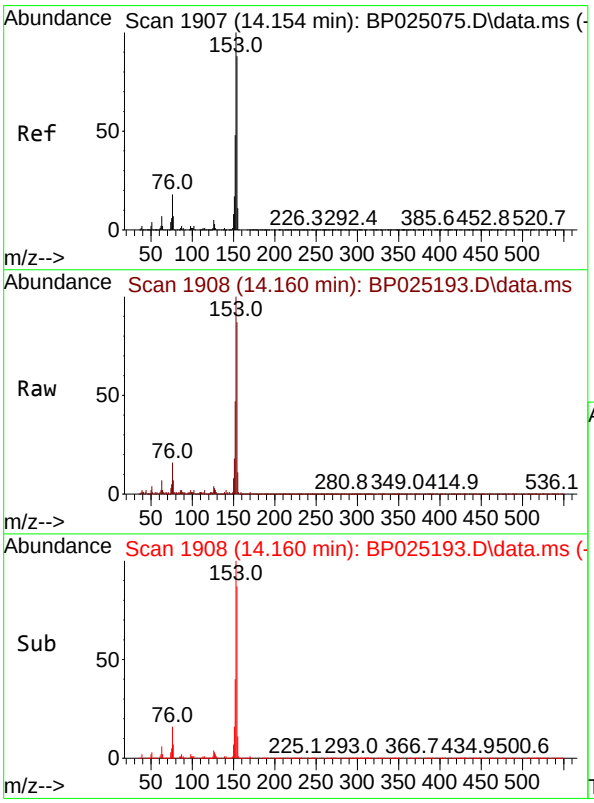
#49
Acenaphthylene
Concen: 4.916 ng
RT: 13.807 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:152 Resp: 722111

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	13.2	10.7	16.1

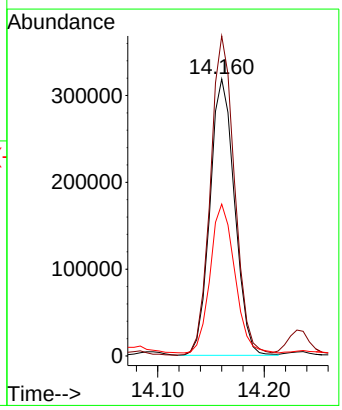


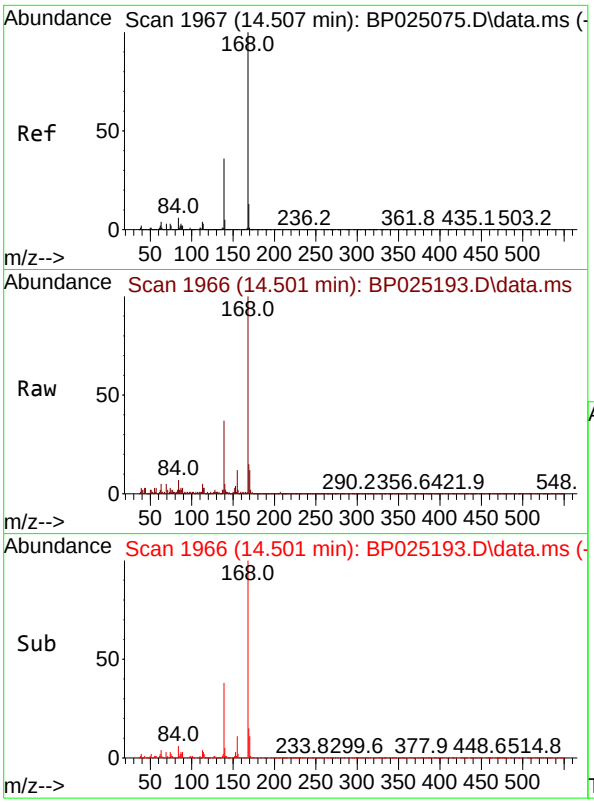


#52
Acenaphthene
Concen: 5.395 ng
RT: 14.160 min Scan# 1908
Delta R.T. 0.006 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:154 Resp: 510768

Ion	Ratio	Lower	Upper
154	100		
153	115.6	90.6	136.0
152	54.9	43.8	65.8



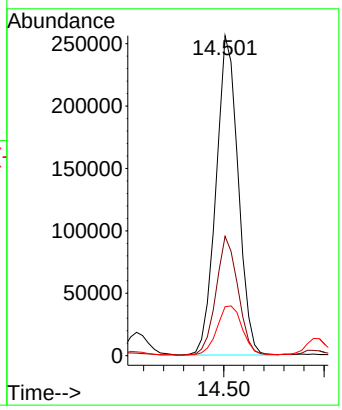


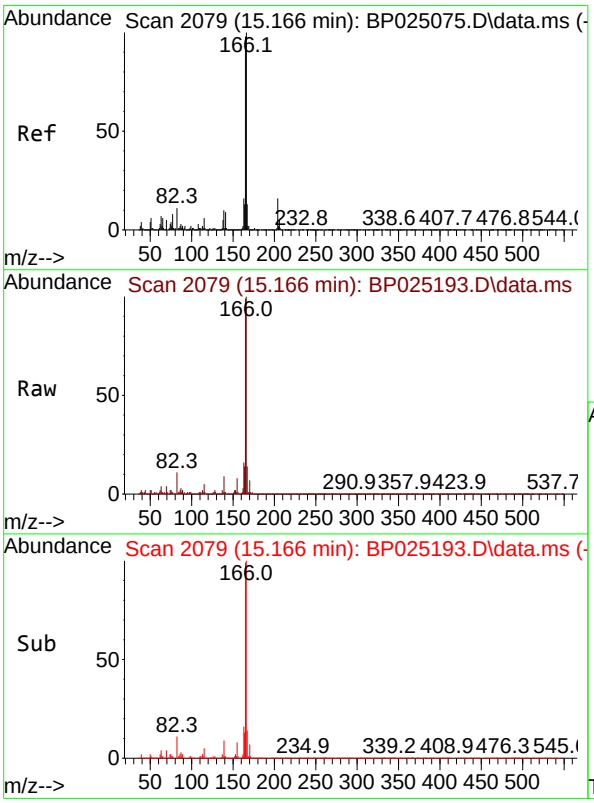
#55
Dibenzofuran
Concen: 2.504 ng
RT: 14.501 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:168 Resp: 391279

Ion	Ratio	Lower	Upper
168	100		
139	37.3	28.6	43.0
169	15.3	10.7	16.1

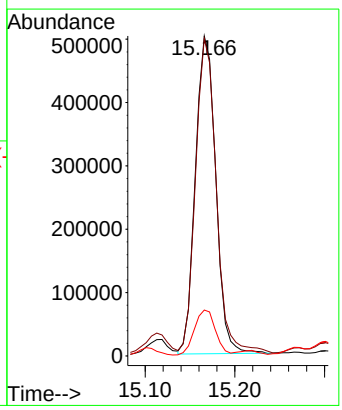


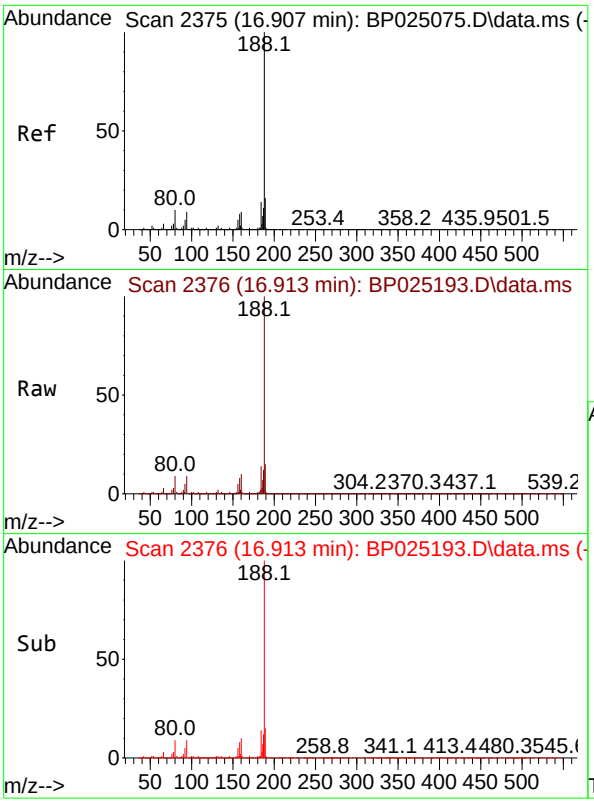


#58
Fluorene
Concen: 6.549 ng
RT: 15.166 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:166 Resp: 791418

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.6	117.8
167	14.4	10.7	16.1



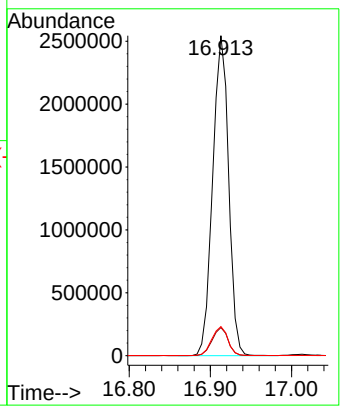


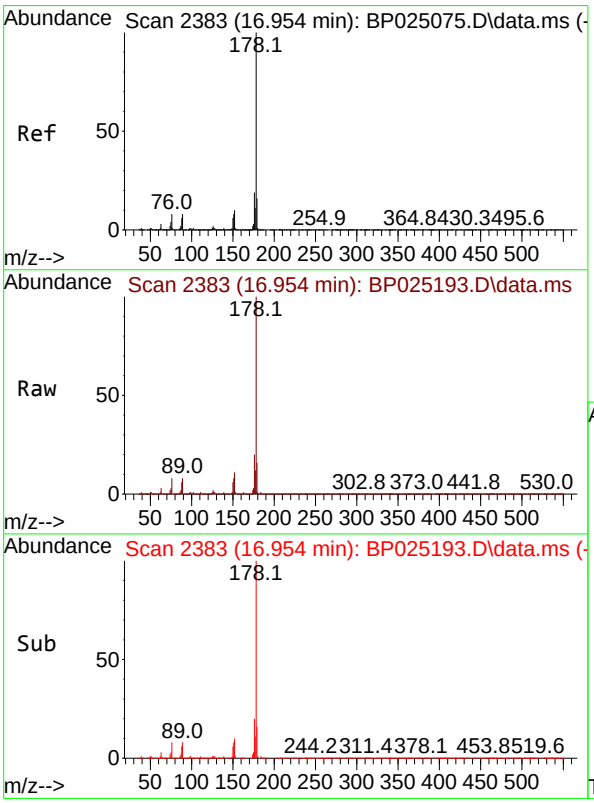
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.913 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:188 Resp: 3467640

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.3	10.9
80	9.1	7.8	11.6

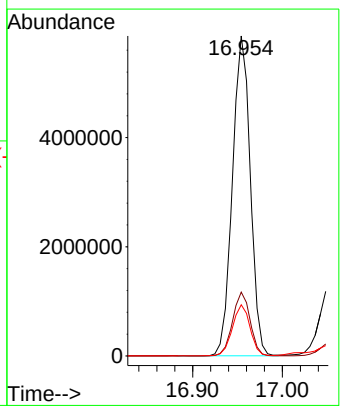


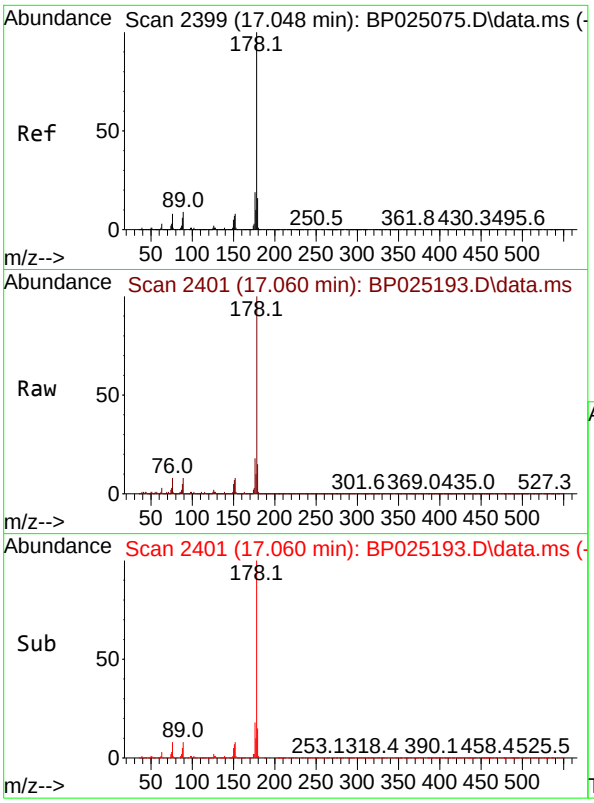


#71
Phenanthrene
Concen: 43.774 ng
RT: 16.954 min Scan# 2383
Delta R.T. 0.000 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:178 Resp: 8111009

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.2
179	16.0	12.6	19.0



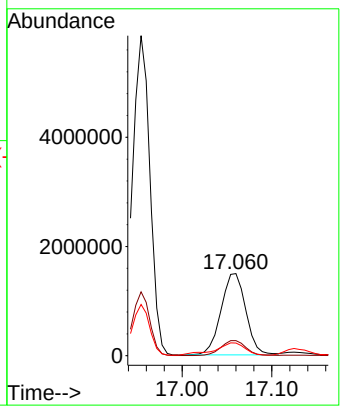


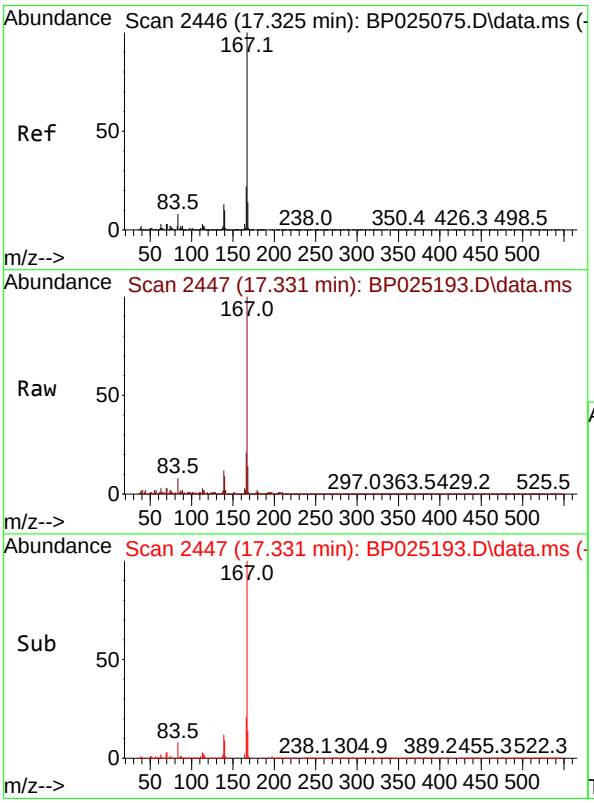
#72
Anthracene
Concen: 16.149 ng
RT: 17.060 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:178 Resp: 2870682

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	15.3	12.5	18.7

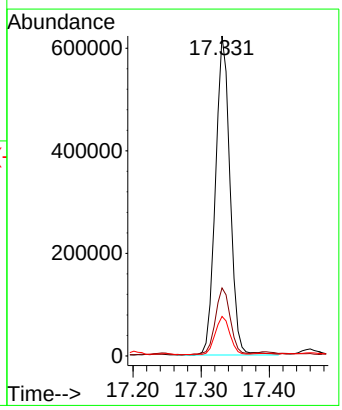


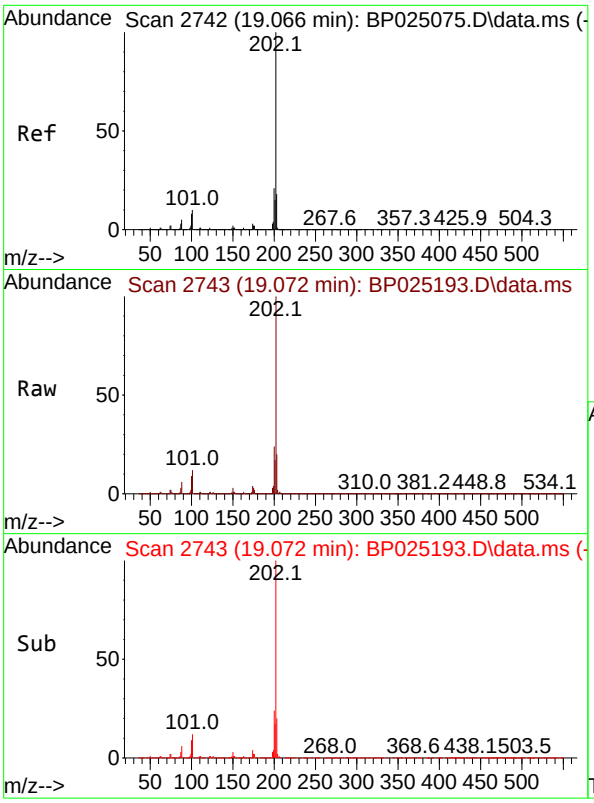


#73
Carbazole
Concen: 5.319 ng
RT: 17.331 min Scan# 2447
Delta R.T. 0.006 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:167 Resp: 924516

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.0
139	12.4	10.4	15.6



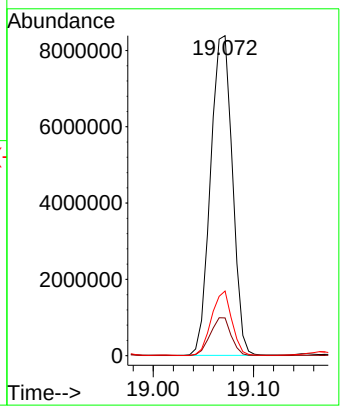


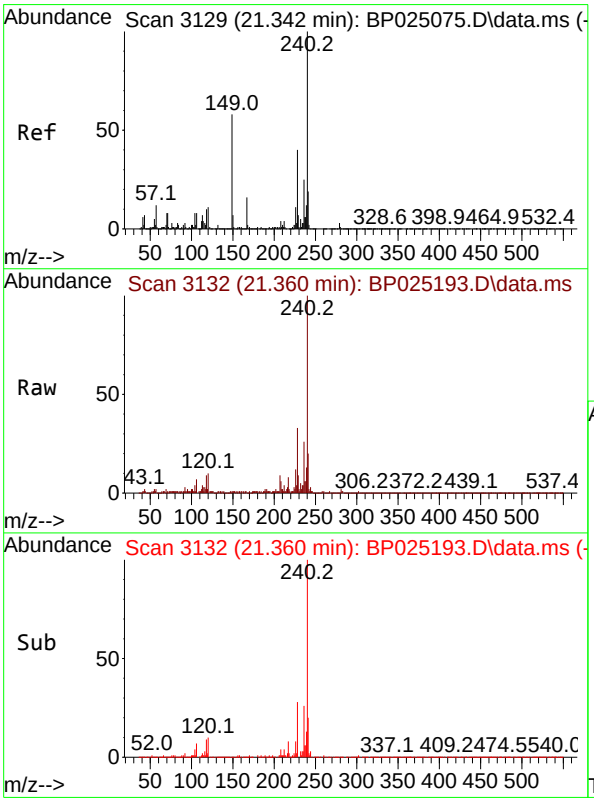
#75
Fluoranthene
Concen: 58.597 ng
RT: 19.072 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:202 Resp:12691368

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.4
203	20.2	0.0	37.6

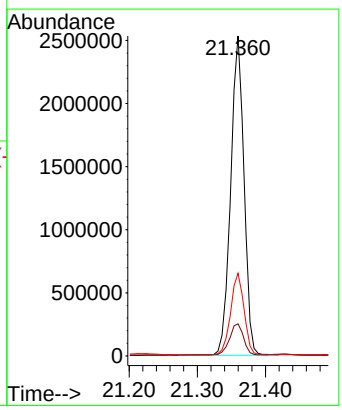


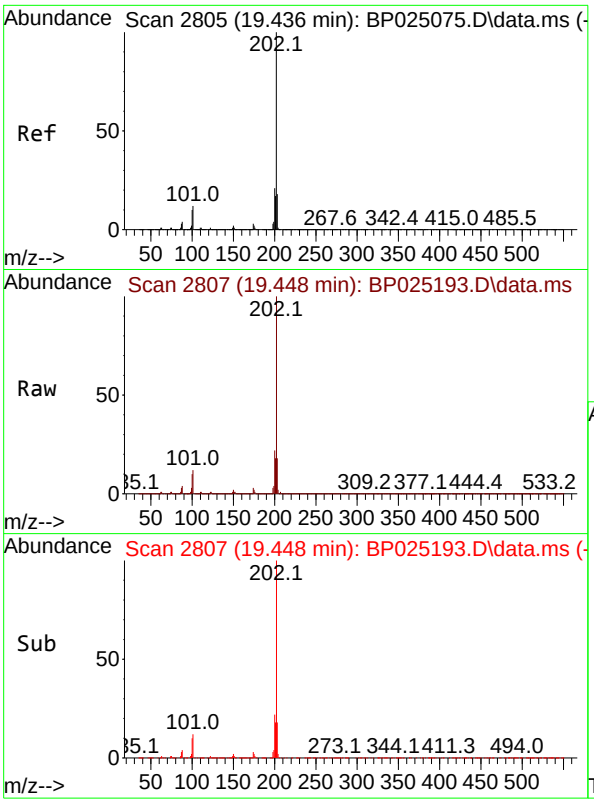


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.360 min Scan# 3132
Delta R.T. 0.018 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:240 Resp: 3448094

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.0	13.4
236	25.9	20.3	30.5



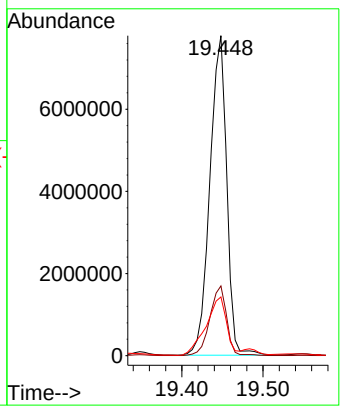


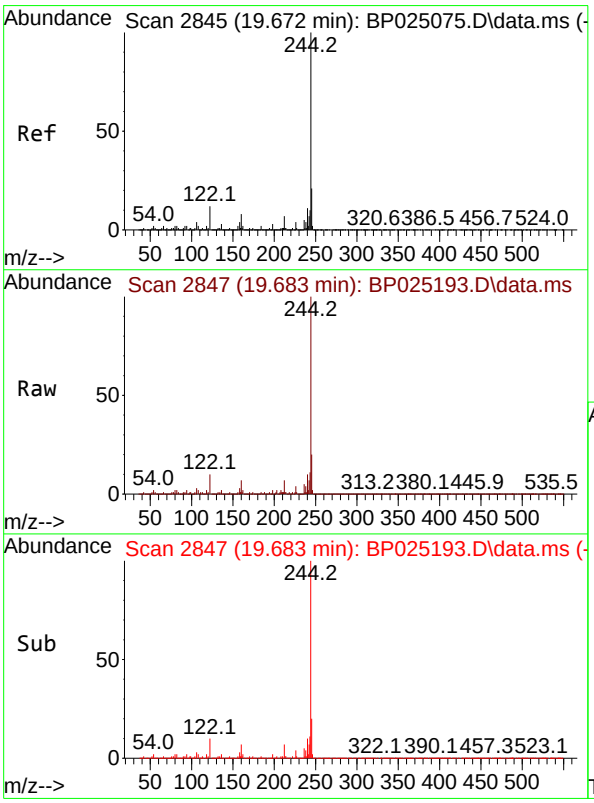
#78
Pyrene
Concen: 52.480 ng
RT: 19.448 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:202 Resp:11208060

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.1	25.7
203	18.3	14.1	21.1

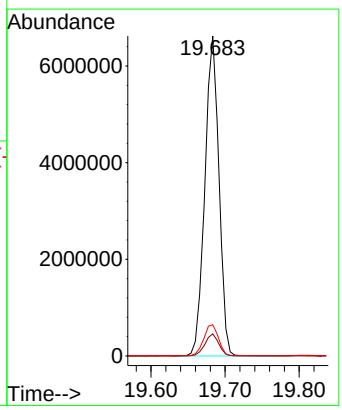


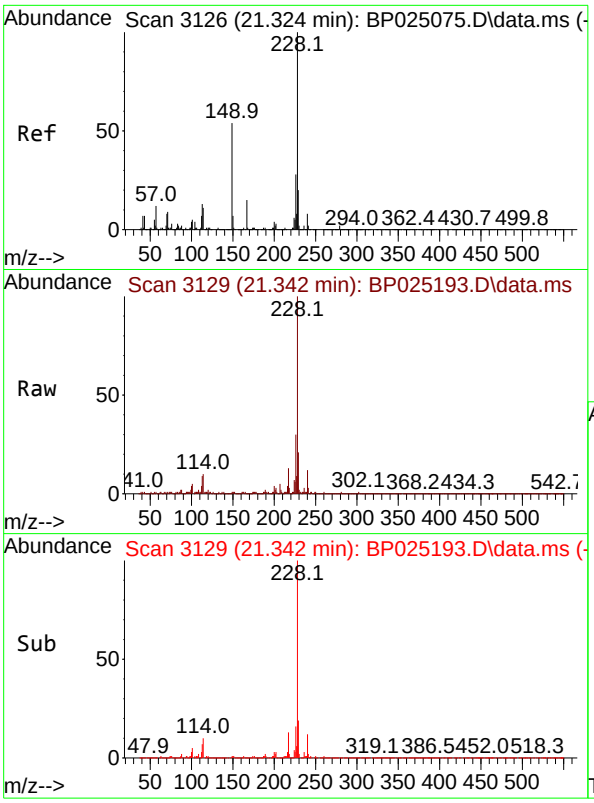


#79
Terphenyl-d14
Concen: 55.727 ng
RT: 19.683 min Scan# 2847
Delta R.T. 0.012 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:244 Resp: 8742930

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	9.8	9.4	14.2



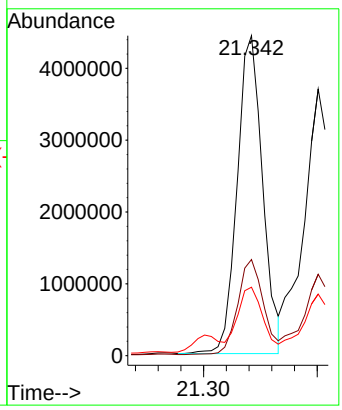


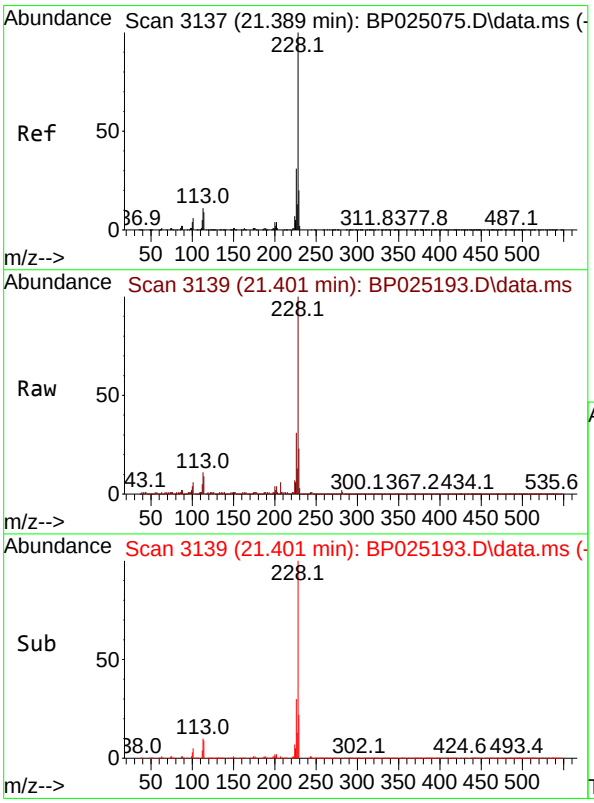
#81
Benzo(a)anthracene
Concen: 32.897 ng
RT: 21.342 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:228 Resp: 6874116

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.1	33.1
229	21.4	16.0	24.0

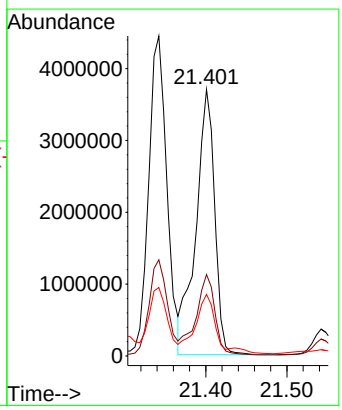


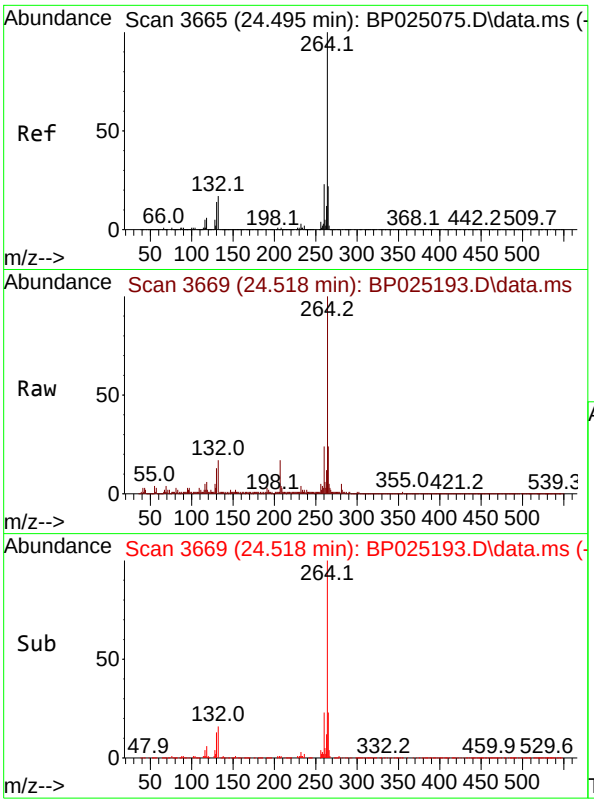


#83
Chrysene
Concen: 29.526 ng
RT: 21.401 min Scan# 3139
Delta R.T. 0.012 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:228 Resp: 5937444

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	23.1	16.0	24.0



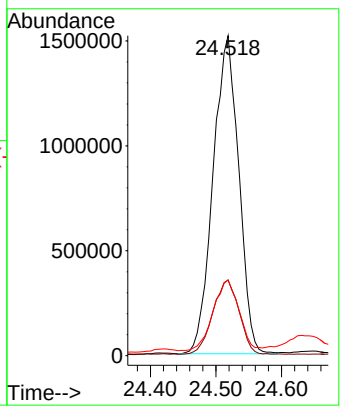


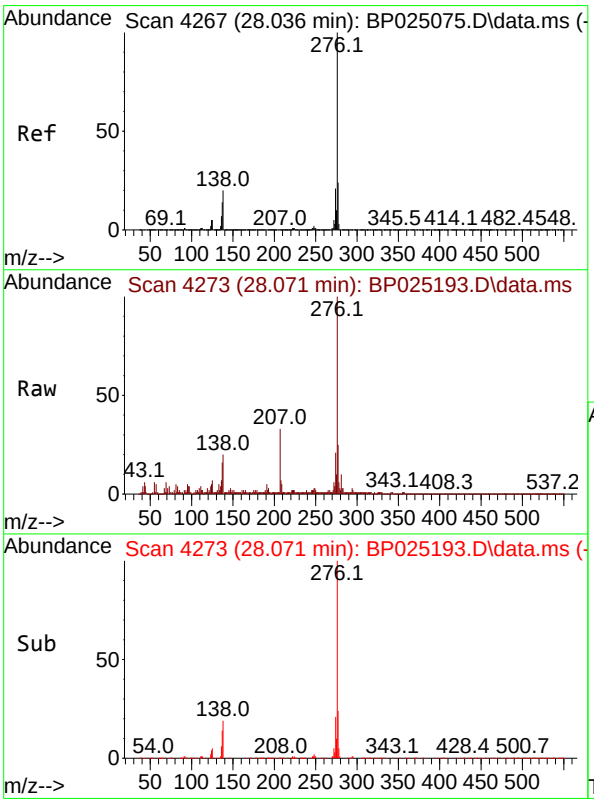
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.518 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:264 Resp: 4126968

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	23.7	17.7	26.5

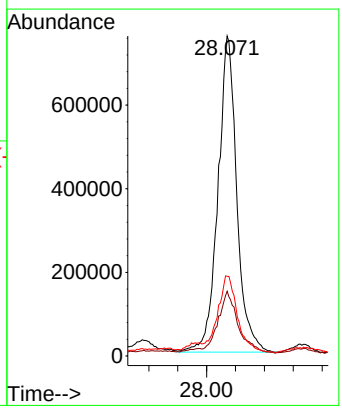


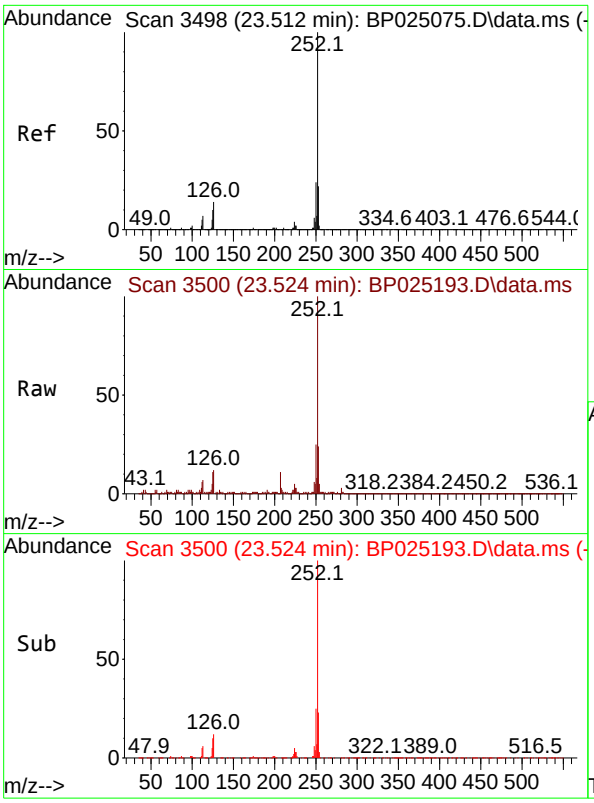


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.042 ng
RT: 28.071 min Scan# 4273
Delta R.T. 0.035 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:276 Resp: 3428789

Ion	Ratio	Lower	Upper
276	100		
138	21.0	13.0	19.6#
277	25.4	15.9	23.9#



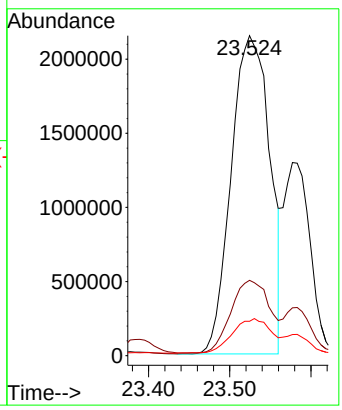


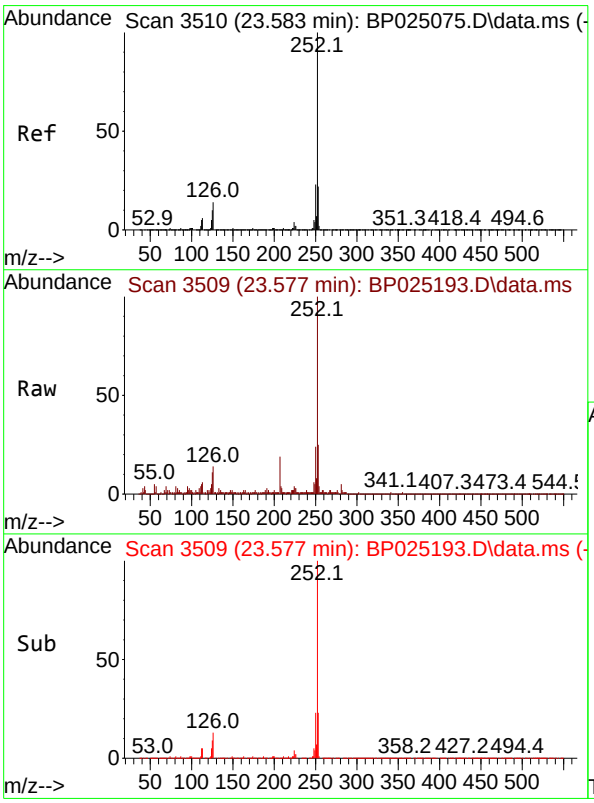
#88
Benzo(b)fluoranthene
Concen: 29.475 ng
RT: 23.524 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:252 Resp: 7080167

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	10.7	8.1	12.1

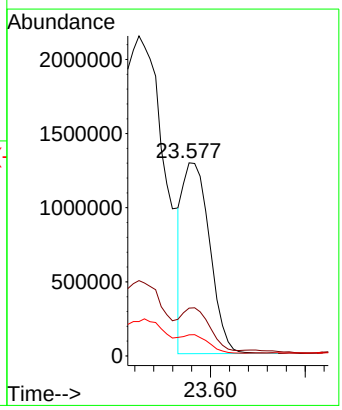


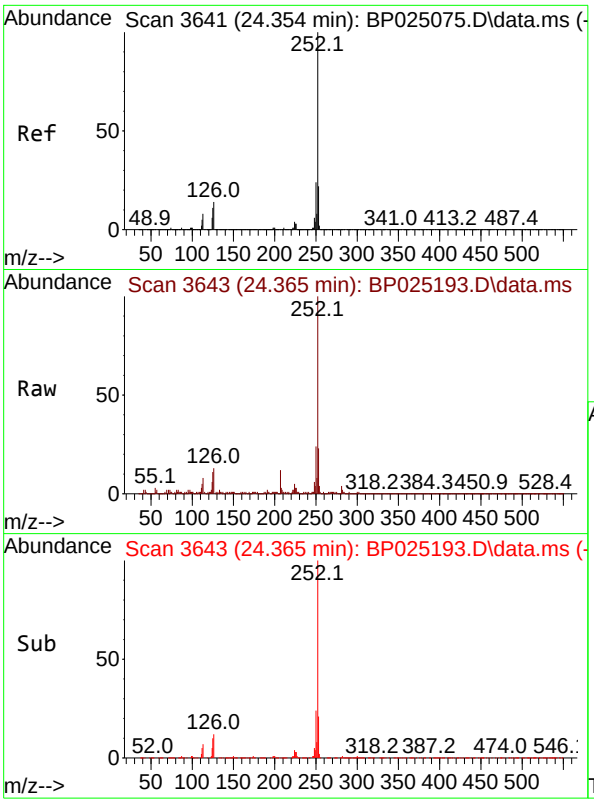


#89
Benzo(k)fluoranthene
Concen: 10.696 ng
RT: 23.577 min Scan# 3509
Delta R.T. -0.006 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:252 Resp: 2556383

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	10.9	8.2	12.2



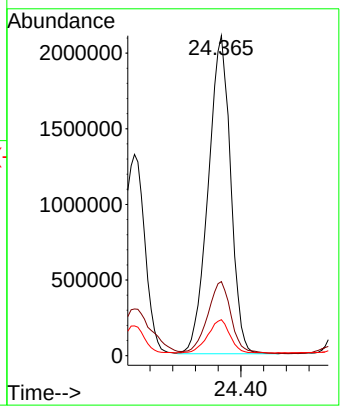


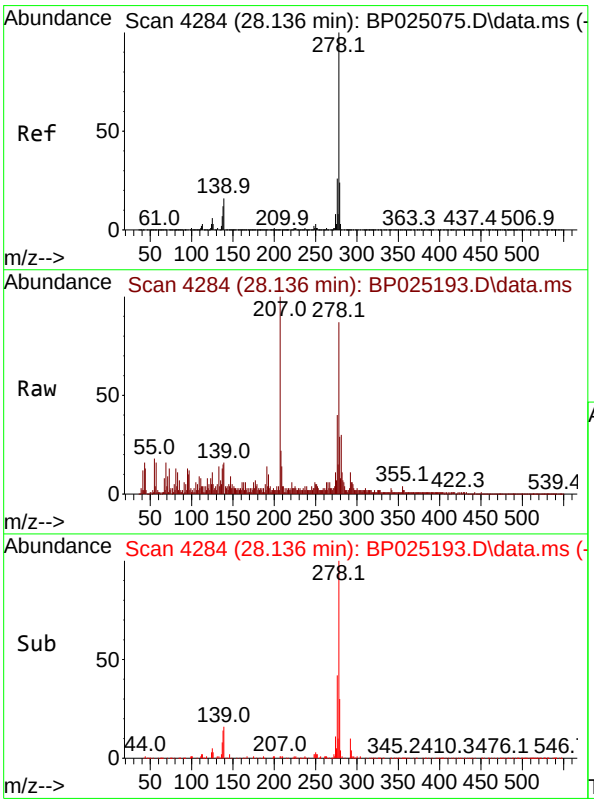
#90
Benzo(a)pyrene
Concen: 28.041 ng
RT: 24.365 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:252 Resp: 5732849

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	11.3	9.0	13.4

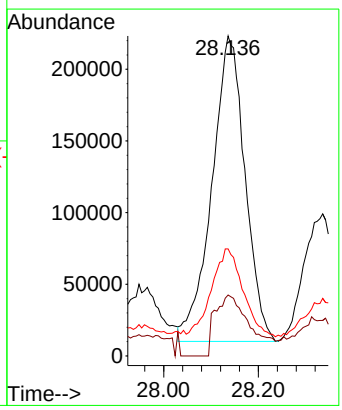


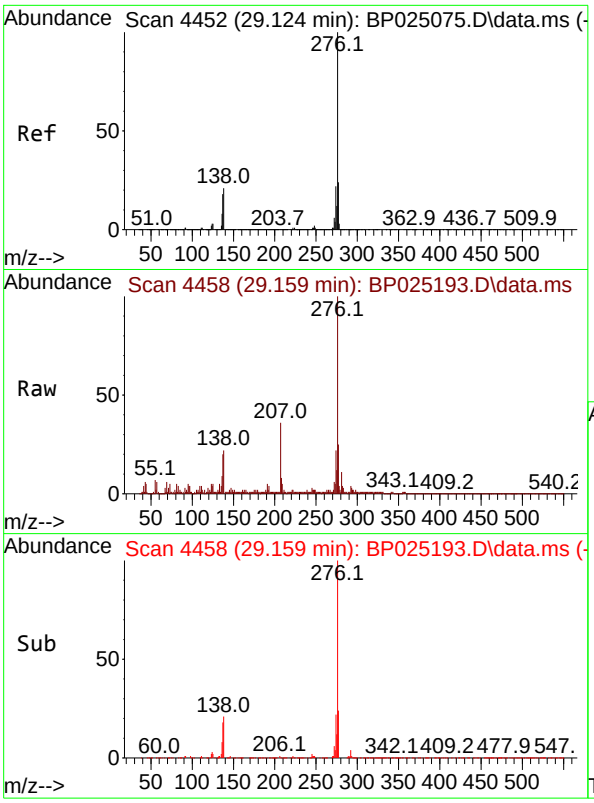


#91
Dibenzo(a,h)anthracene
Concen: 4.765 ng
RT: 28.136 min Scan# 4284
Delta R.T. 0.000 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Tgt Ion:278 Resp: 1035497

Ion	Ratio	Lower	Upper
278	100		
139	19.0	13.1	19.7
279	33.5	18.9	28.3#





#92
Benzo(g,h,i)perylene
Concen: 13.417 ng
RT: 29.159 min Scan# 4
Delta R.T. 0.035 min
Lab File: BP025193.D
Acq: 18 Jul 2025 15:14

Instrument :
BNA_P
ClientSampleId :
TR-05-07162025

Tgt Ion:276 Resp: 3012129

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.3	28.9
138	21.9	16.9	25.3