Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064778.D
Acq On : 14 Nov 2025 13:58
Operator : RC/JU
Sample : Q3633-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Nov 14 14:39:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.164	152	38891	20.000	ng		0.00
21) Naphthalene-d8	10.978	136	161077	20.000	ng		0.00
39) Acenaphthene-d10	14.774	164	130907	20.000	ng		0.00
64) Phenanthrene-d10	17.500	188	319338	20.000	ng		0.00
76) Chrysene-d12	21.748	240	381327	20.000	ng		0.00
86) Perylene-d12	25.009	264	389130	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.702	112	176169	79.100	ng		0.00
7) Phenol-d6	7.306	99	238594	80.546	ng		0.00
23) Nitrobenzene-d5	9.321	82	150551	46.212	ng		0.00
42) 2,4,6-Tribromophenol	16.248	330	179911	70.468	ng		0.00
45) 2-Fluorobiphenyl	13.405	172	438350	46.724	ng		0.00
79) Terphenyl-d14	20.085	244	1035139	53.398	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.217	88	4236	4.913	ng	#	1
19) n-Nitroso-di-n-propyla...	9.327	70	19753	9.862	ng	#	65
51) 2,6-Dinitrotoluene	14.774	165	17136	8.612	ng	#	22
56) 4-Nitrophenol	15.167	139	3921	2.516	ng	#	1
57) 2,4-Dinitrotoluene	14.774	165	17136	5.744	ng	#	25
63) Azobenzene	16.107	77	40539	4.920	ng	#	1
67) 4-Bromophenyl-phenylether	16.243	248	11252	2.683	ng	#	1
71) Phenanthrene	17.541	178	148406	8.494	ng		99
72) Anthracene	17.635	178	40908	2.296	ng		98
75) Fluoranthene	19.539	202	224440	9.394	ng		99
78) Pyrene	19.897	202	198788	9.301	ng		100
81) Benzo(a)anthracene	21.730	228	112442	4.337	ng		97
83) Chrysene	21.795	228	105668	4.323	ng		96
87) Indeno(1,2,3-cd)pyrene	28.722	276	69222	2.589	ng	#	73
88) Benzo(b)fluoranthene	23.969	252	148813	6.009	ng		98
89) Benzo(k)fluoranthene	23.969	252	148813	5.982	ng		97
90) Benzo(a)pyrene	24.850	252	99257	4.321	ng		98
92) Benzo(g,h,i)perylene	29.874	276	70218	3.331	ng		97

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

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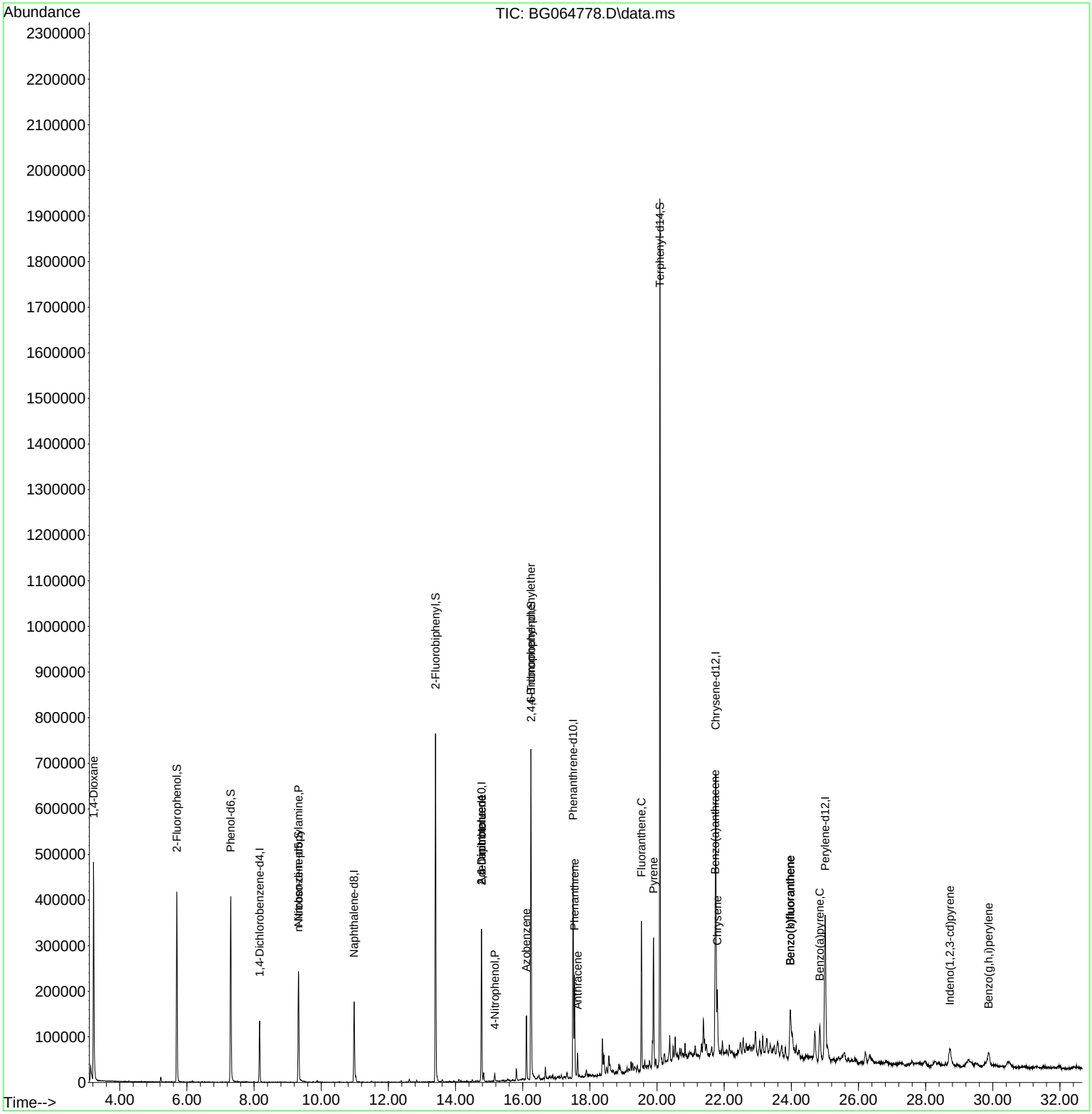
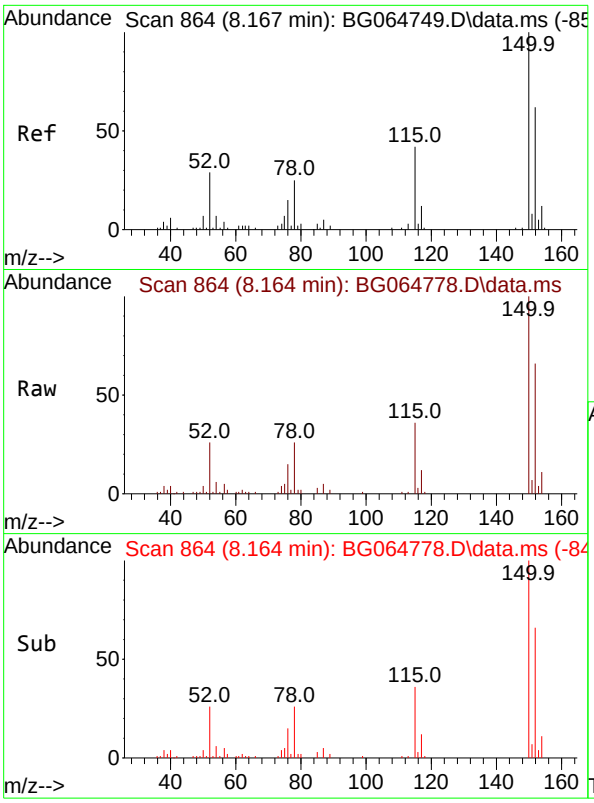


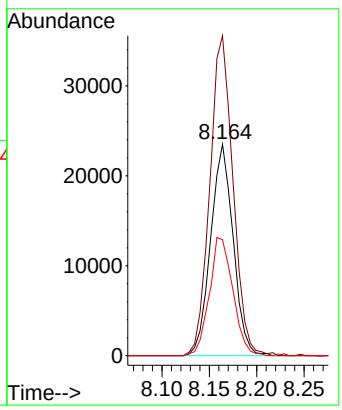


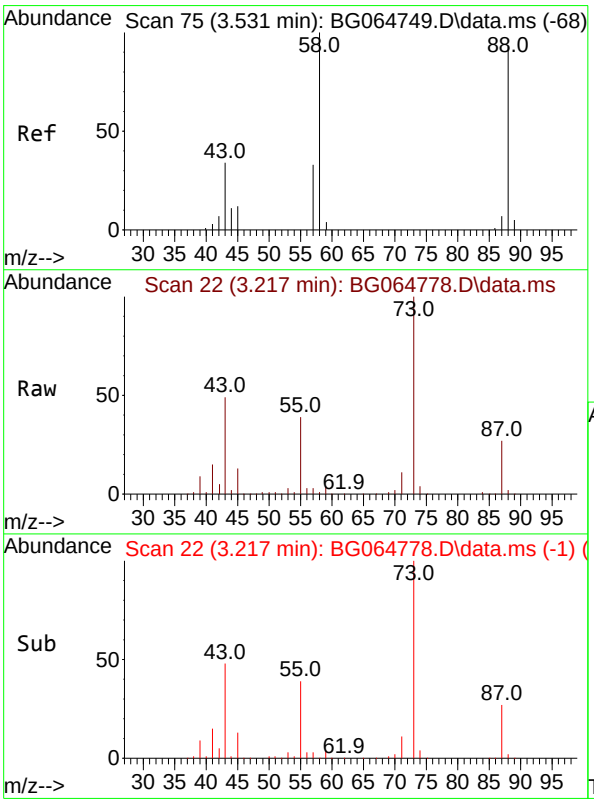
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 38891

Ion	Ratio	Lower	Upper
152	100		
150	151.3	129.2	193.8
115	54.8	53.7	80.5

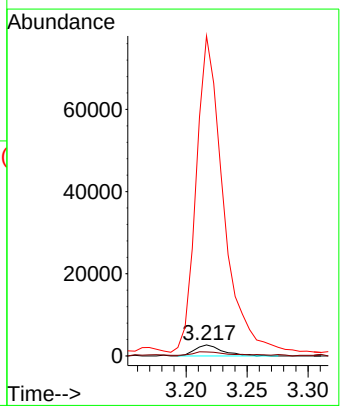


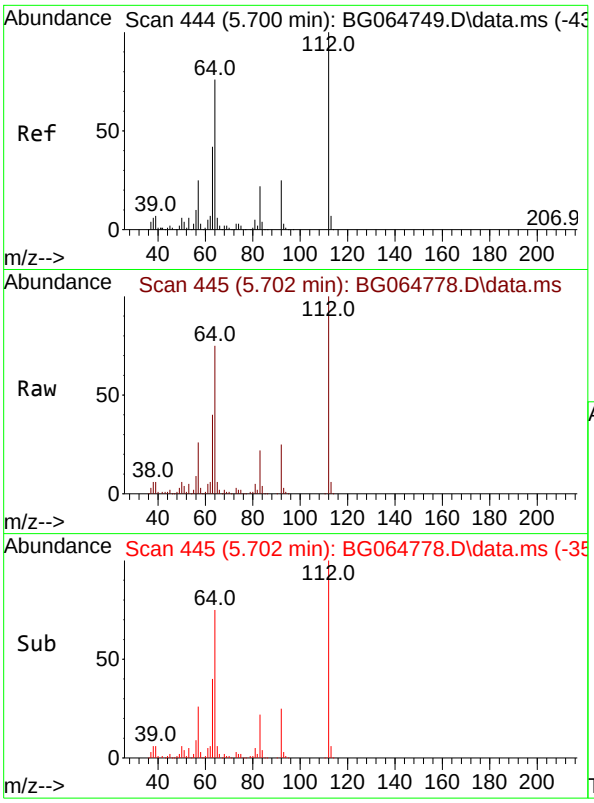


#2
1,4-Dioxane
Concen: 4.913 ng
RT: 3.217 min Scan# 22
Delta R.T. -0.315 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion: 88 Resp: 4236

Ion	Ratio	Lower	Upper
88	100		
58	56.0	84.6	126.8#
43	2822.3	30.0	45.0#



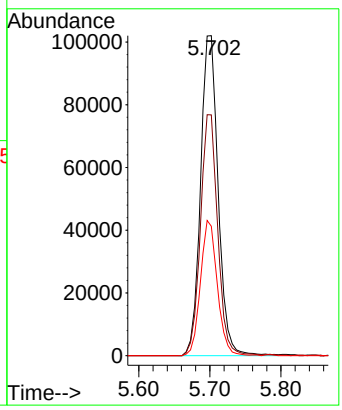


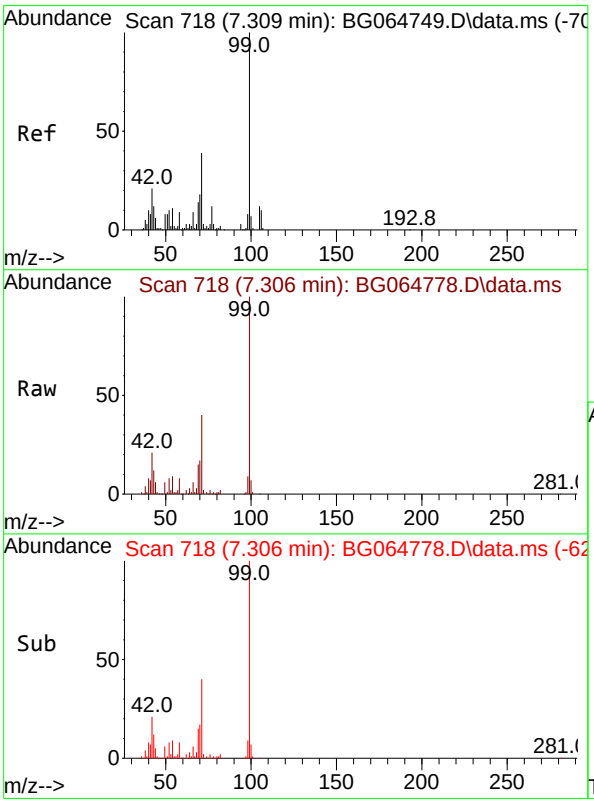
#5
2-Fluorophenol
Concen: 79.100 ng
RT: 5.702 min Scan# 44
Delta R.T. 0.002 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:112 Resp: 176169

Ion	Ratio	Lower	Upper
112	100		
64	75.3	61.0	91.4
63	40.5	33.3	49.9

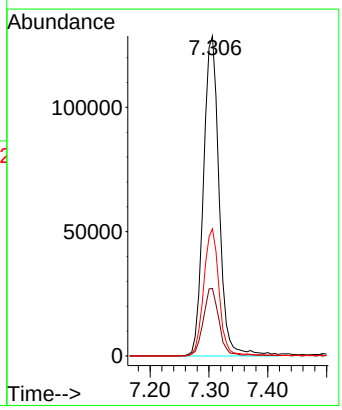


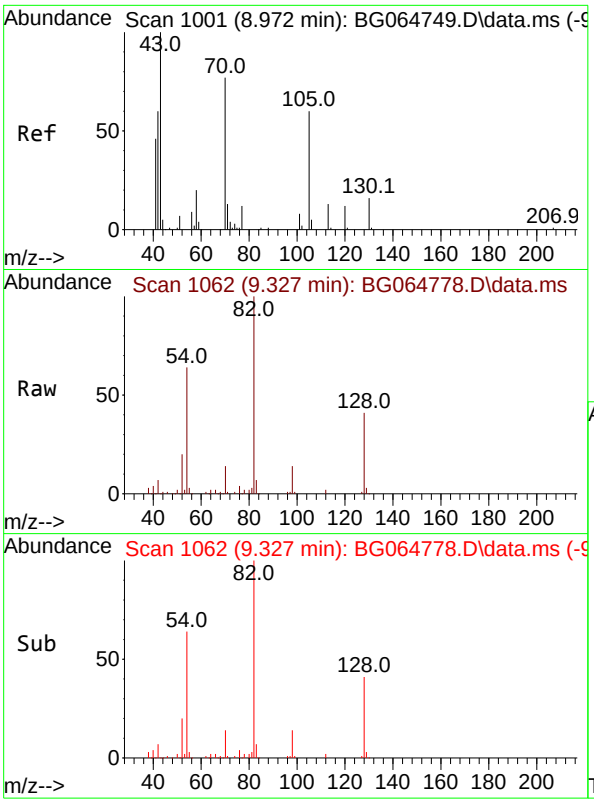


#7
Phenol-d6
Concen: 80.546 ng
RT: 7.306 min Scan# 718
Delta R.T. -0.003 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion: 99 Resp: 238594

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.8	25.2
71	39.8	31.1	46.7



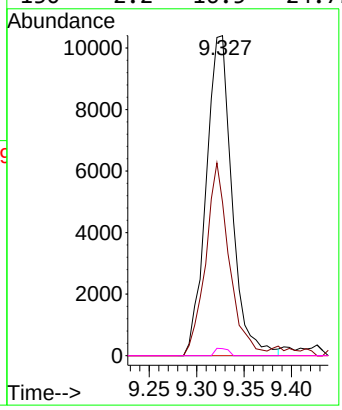


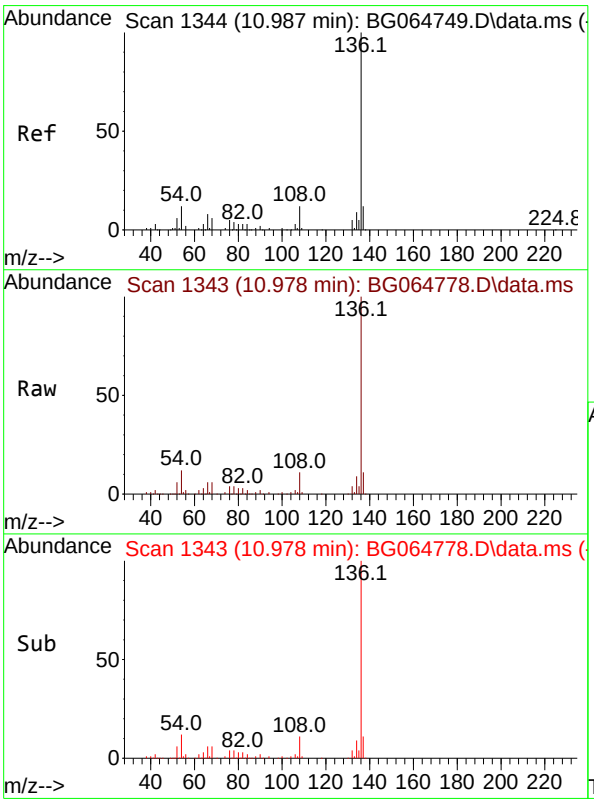
#19
n-Nitroso-di-n-propylamine
Concen: 9.862 ng
RT: 9.327 min Scan# 1
Delta R.T. 0.355 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 70 Resp: 19753

Ion	Ratio	Lower	Upper
70	100		
42	47.9	62.6	93.8#
101	0.0	8.0	12.0#
130	2.2	16.5	24.7#

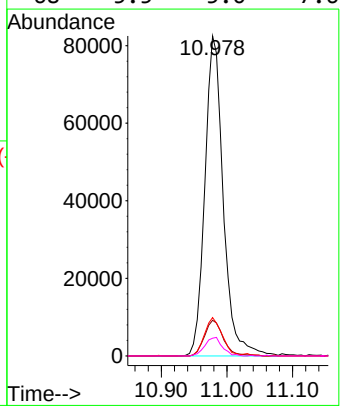


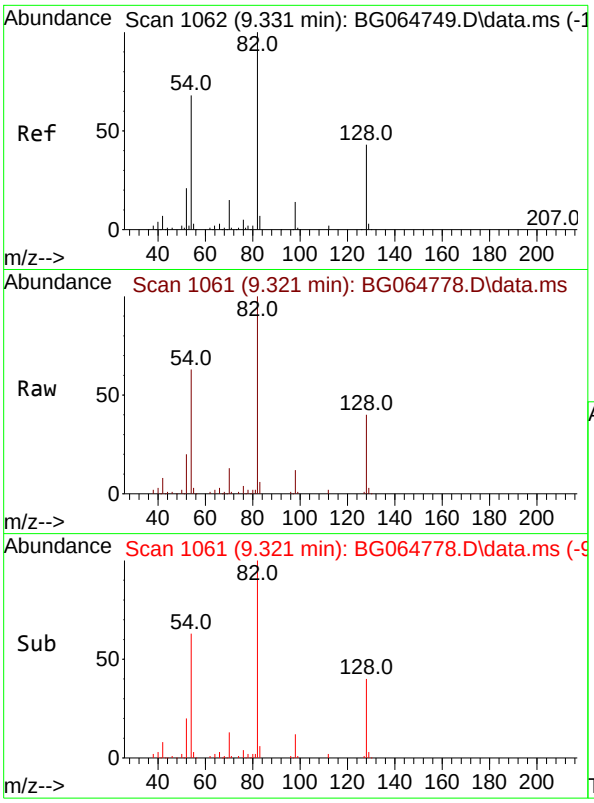


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 1343
Delta R.T. -0.009 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:136 Resp: 161077

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	12.0	9.3	13.9
68	5.5	5.0	7.6



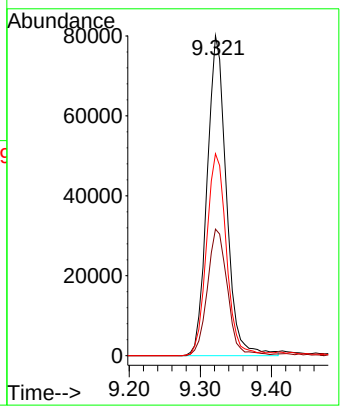


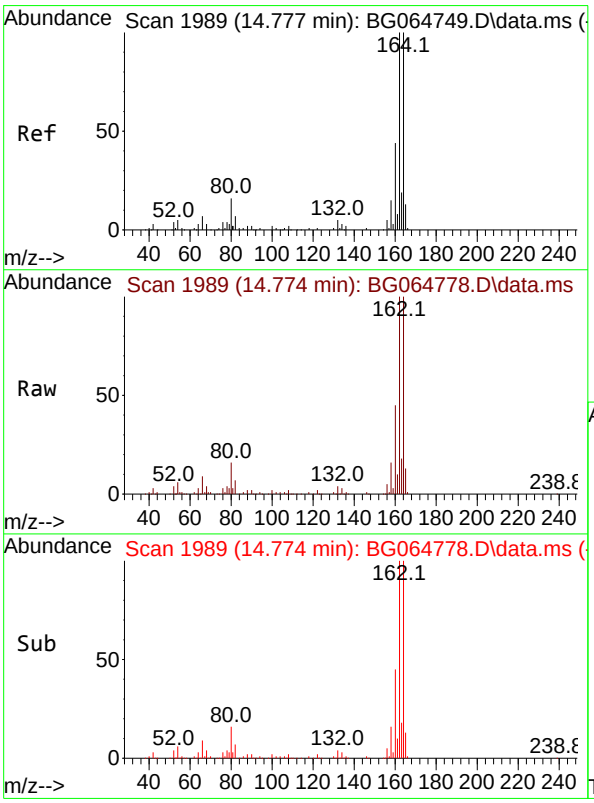
#23
Nitrobenzene-d5
Concen: 46.212 ng
RT: 9.321 min Scan# 1(
Delta R.T. -0.009 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 82 Resp: 150551

Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.1	51.1
54	63.1	54.3	81.5

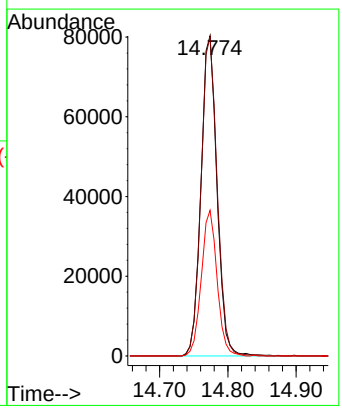


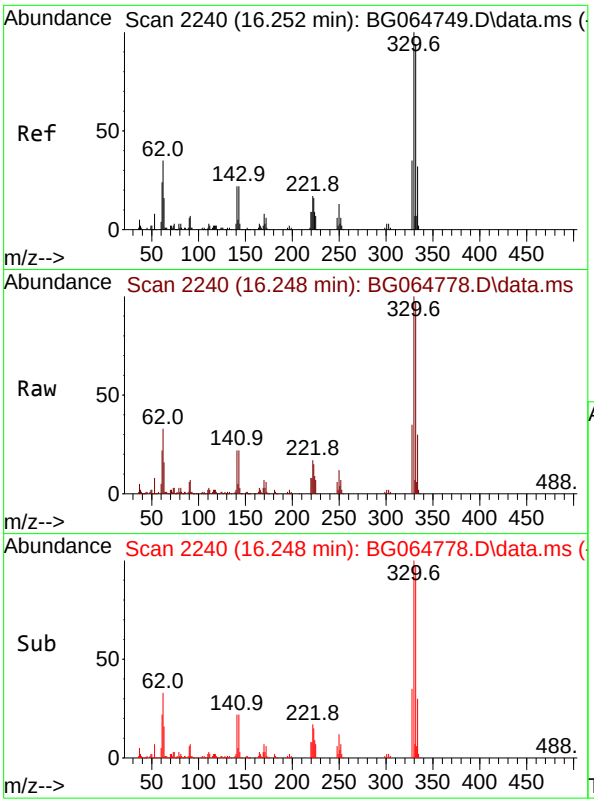


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:164 Resp: 130907

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.8	119.6
160	45.5	34.9	52.3



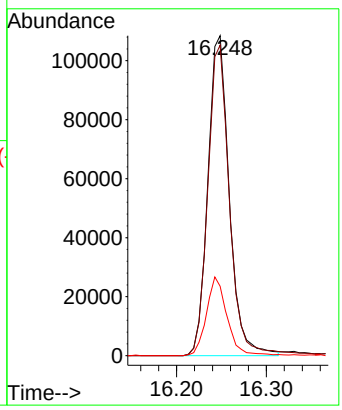


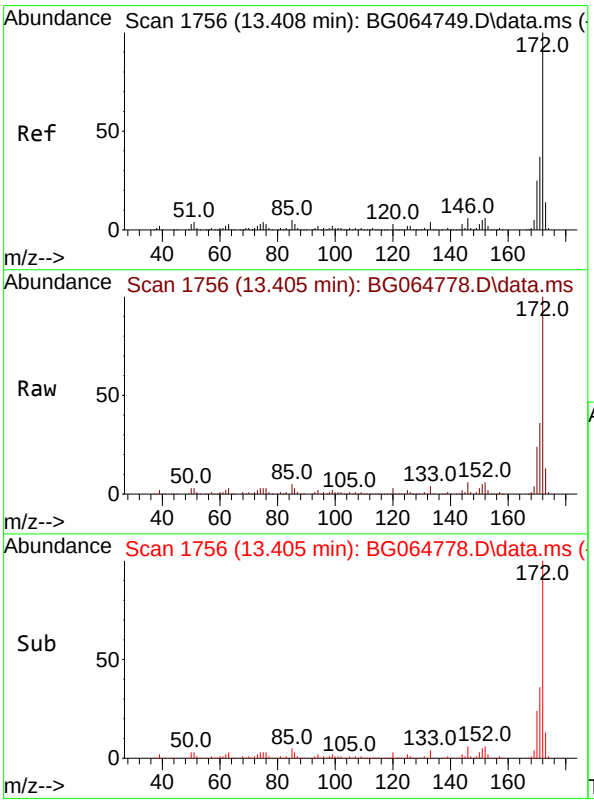
#42
2,4,6-Tribromophenol
Concen: 70.468 ng
RT: 16.248 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:330 Resp: 179911

Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.0	115.6
141	24.0	18.2	27.2

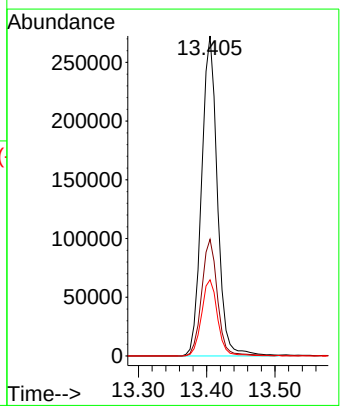


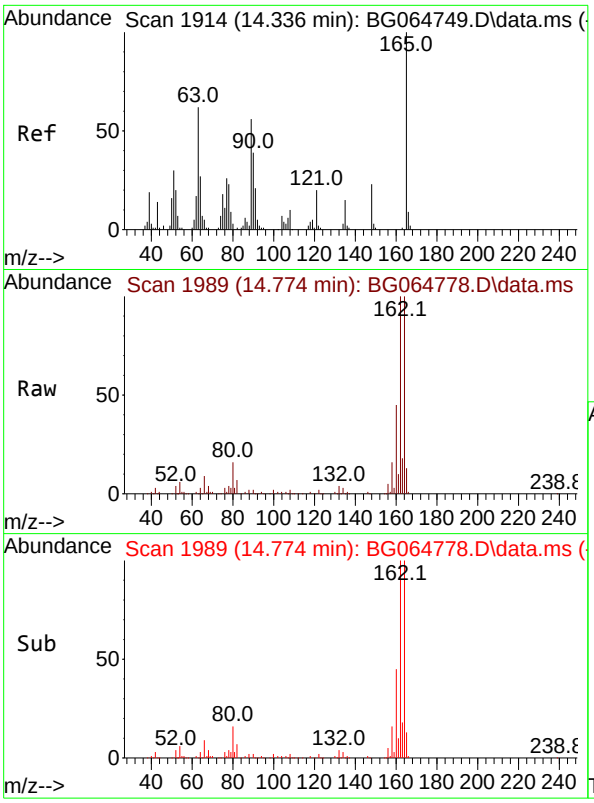


#45
2-Fluorobiphenyl
Concen: 46.724 ng
RT: 13.405 min Scan# 1756
Delta R.T. -0.003 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:172 Resp: 438350

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.9	44.9
170	23.8	19.8	29.6



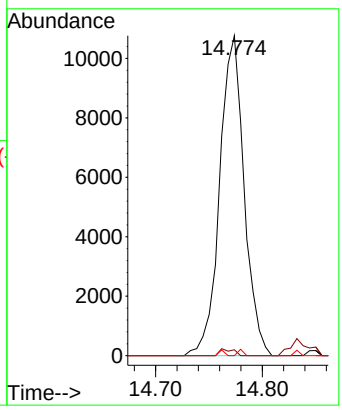


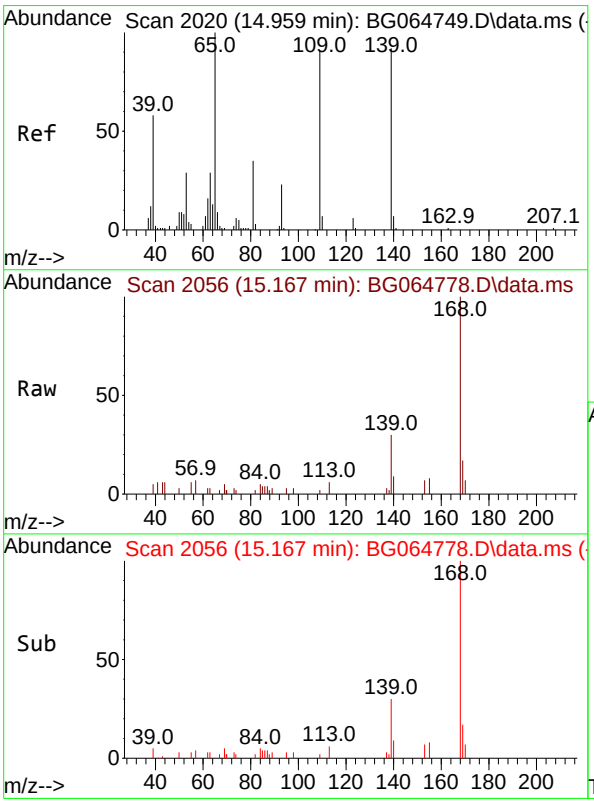
#51
2,6-Dinitrotoluene
Concen: 8.612 ng
RT: 14.774 min Scan# 1
Delta R.T. 0.437 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:165 Resp: 17136

Ion	Ratio	Lower	Upper
165	100		
63	1.9	49.8	74.8#
89	0.0	45.0	67.4#

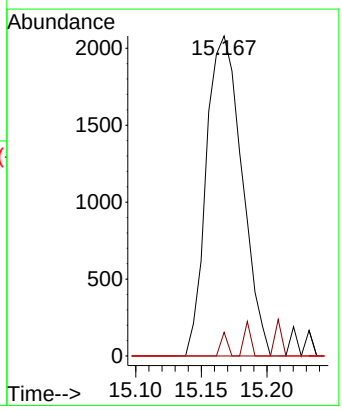


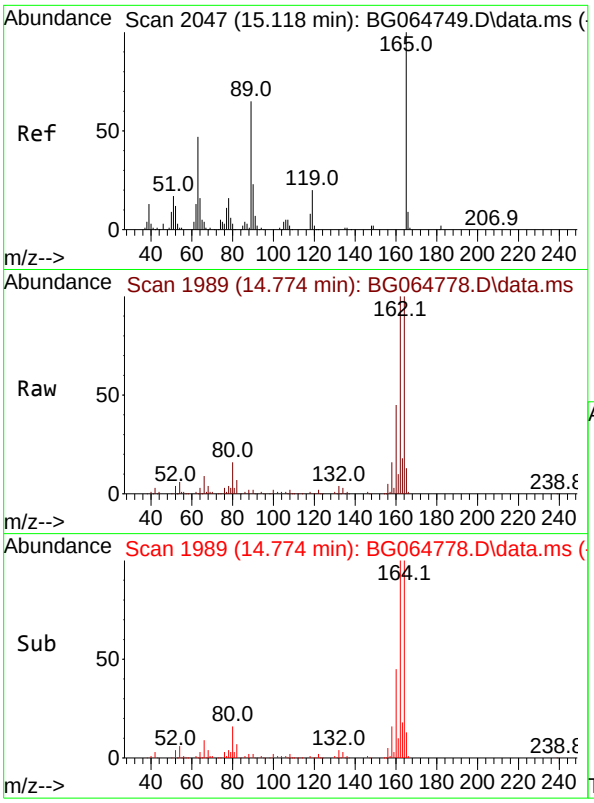


#56
4-Nitrophenol
Concen: 2.516 ng
RT: 15.167 min Scan# 2056
Delta R.T. 0.208 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:139 Resp: 3921

Ion	Ratio	Lower	Upper
139	100		
109	7.4	79.7	119.7#
65	0.0	89.9	129.9#



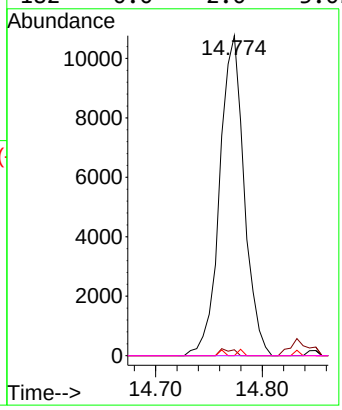


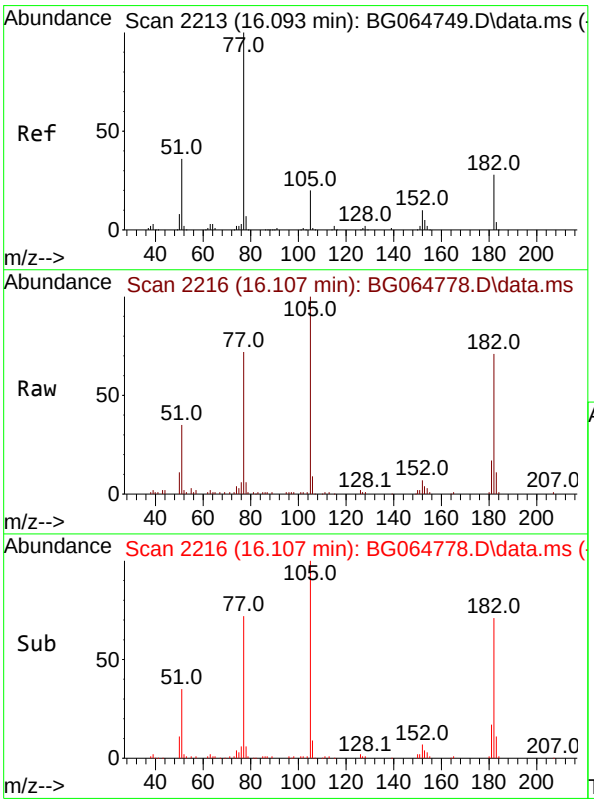
#57
2,4-Dinitrotoluene
Concen: 5.744 ng
RT: 14.774 min Scan# 1
Delta R.T. -0.344 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:165 Resp: 17136

Ion	Ratio	Lower	Upper
165	100		
63	1.9	37.8	56.6#
89	0.0	51.6	77.4#
182	0.0	2.0	3.0#

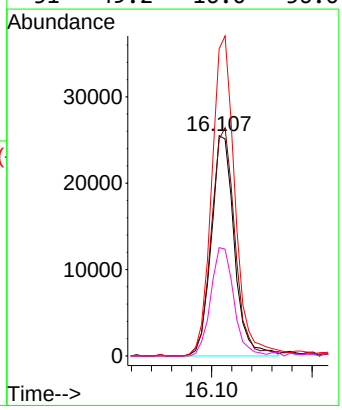


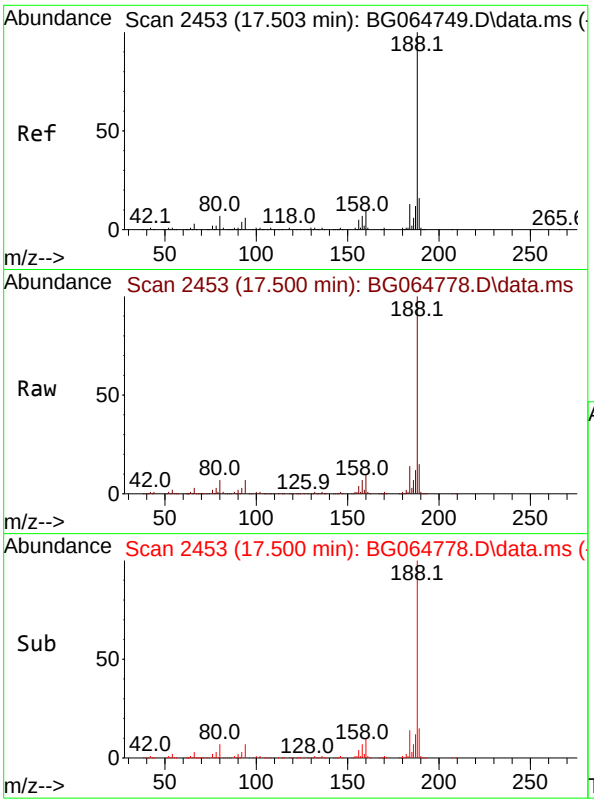


#63
Azobenzene
Concen: 4.920 ng
RT: 16.107 min Scan# 2216
Delta R.T. 0.014 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion: 77 Resp: 40539

Ion	Ratio	Lower	Upper
77	100		
182	98.4	8.1	48.1#
105	139.5	0.1	40.1#
51	49.2	16.0	56.0



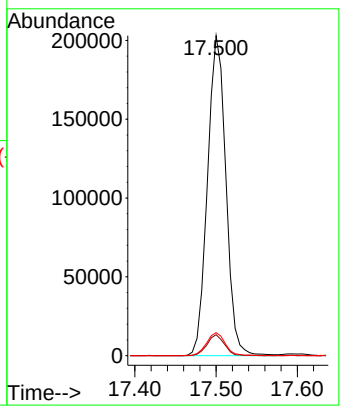


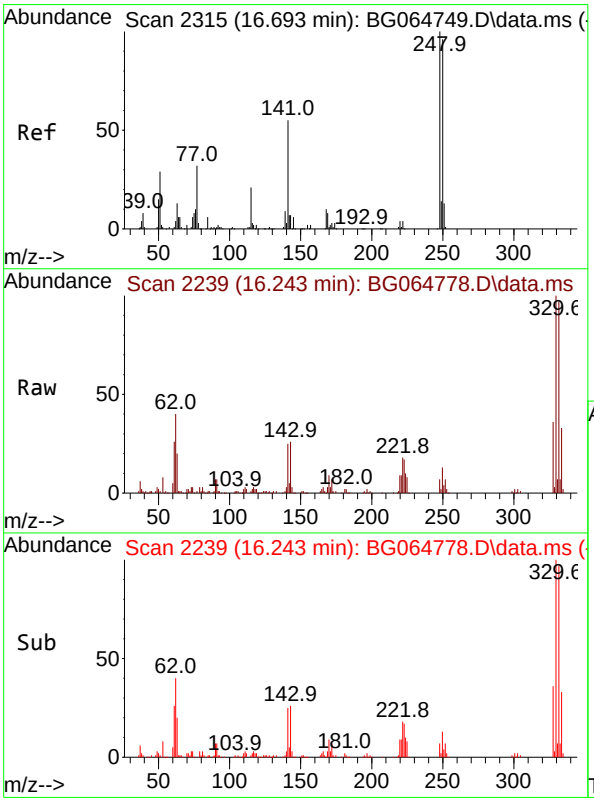
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.500 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:188 Resp: 319338

Ion	Ratio	Lower	Upper
188	100		
94	6.6	4.7	7.1
80	7.2	5.4	8.2

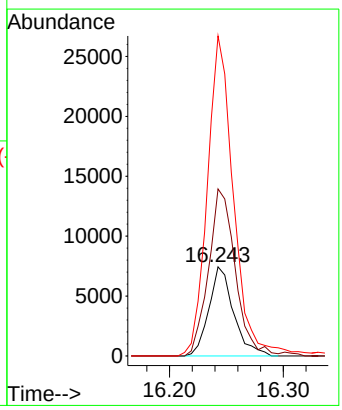


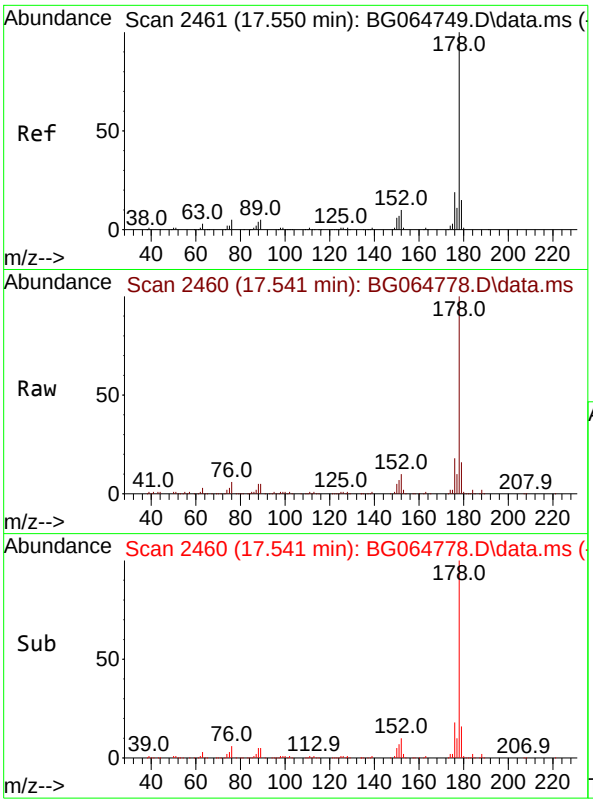


#67
4-Bromophenyl-phenylether
Concen: 2.683 ng
RT: 16.243 min Scan# 2239
Delta R.T. -0.450 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:248 Resp: 11252

Ion	Ratio	Lower	Upper
248	100		
250	185.8	77.0	115.6#
141	274.9	43.7	65.5#



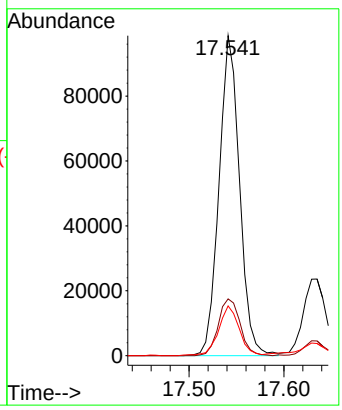


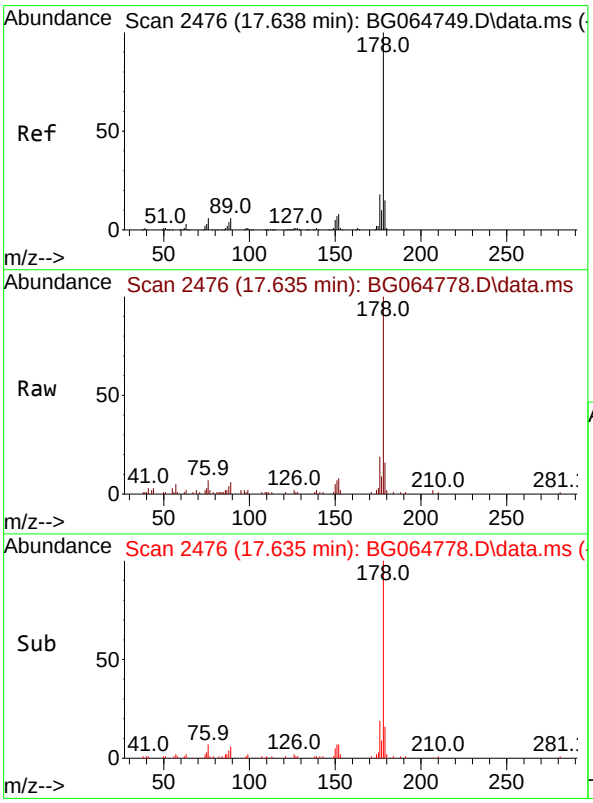
#71
Phenanthrene
Concen: 8.494 ng
RT: 17.541 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 148406

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.8	22.2
179	15.5	12.2	18.4

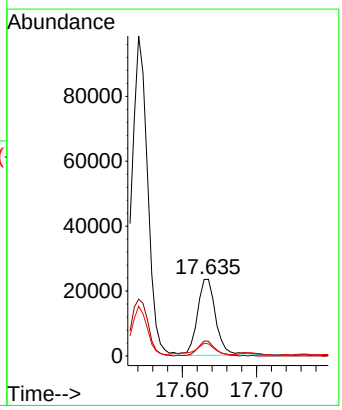


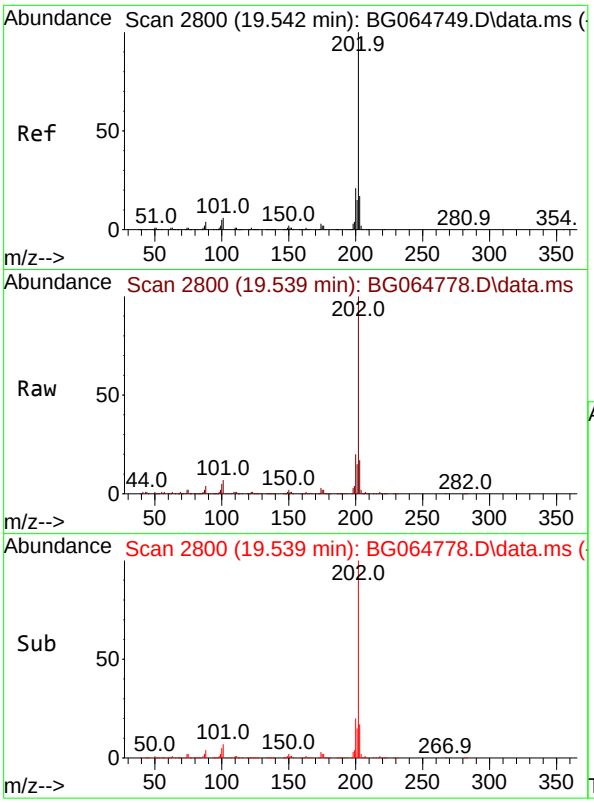


#72
Anthracene
Concen: 2.296 ng
RT: 17.635 min Scan# 2476
Delta R.T. -0.003 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:178 Resp: 40908

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.5	21.7
179	15.8	12.2	18.4



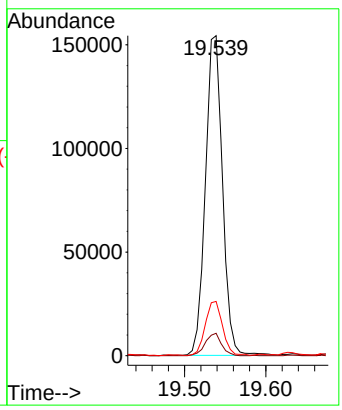


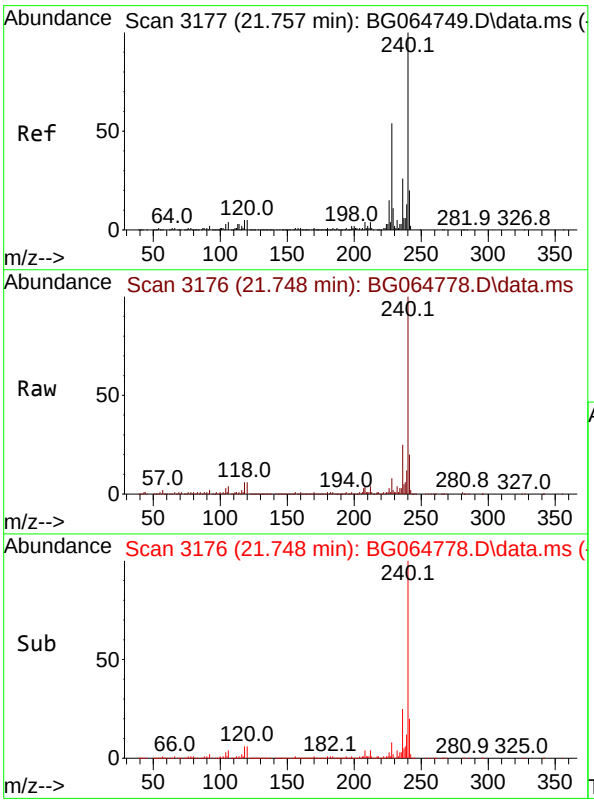
#75
Fluoranthene
Concen: 9.394 ng
RT: 19.539 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 224440

Ion	Ratio	Lower	Upper
202	100		
101	7.0	0.0	26.4
203	16.9	0.0	37.5

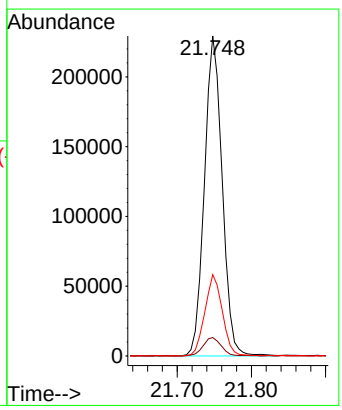


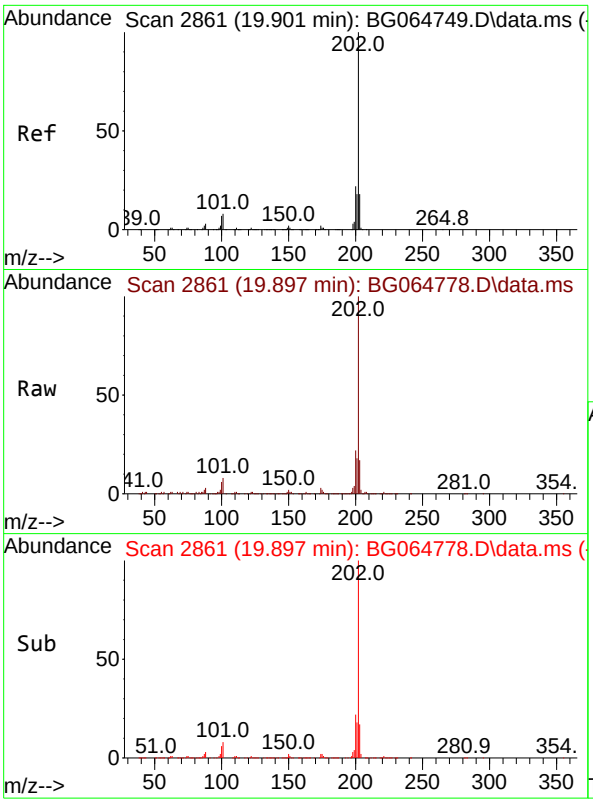


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.748 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:240 Resp: 381327

Ion	Ratio	Lower	Upper
240	100		
120	5.8	4.2	6.4
236	25.4	20.8	31.2



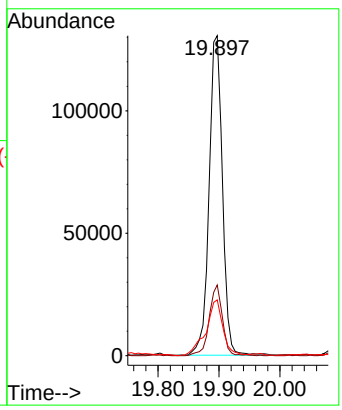


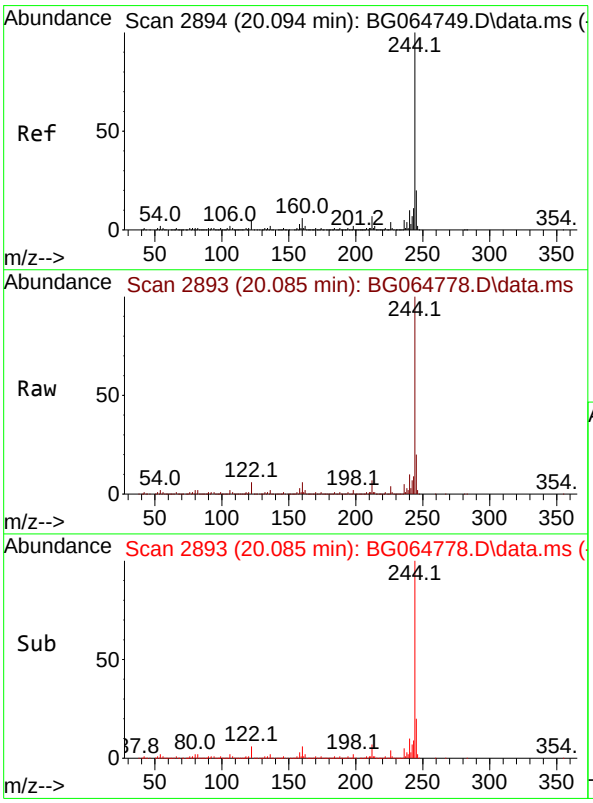
#78
Pyrene
Concen: 9.301 ng
RT: 19.897 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 198788

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.9	26.9
203	17.4	14.0	21.0

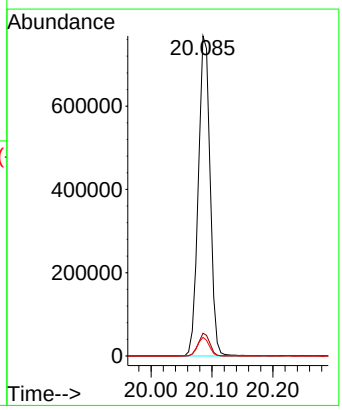


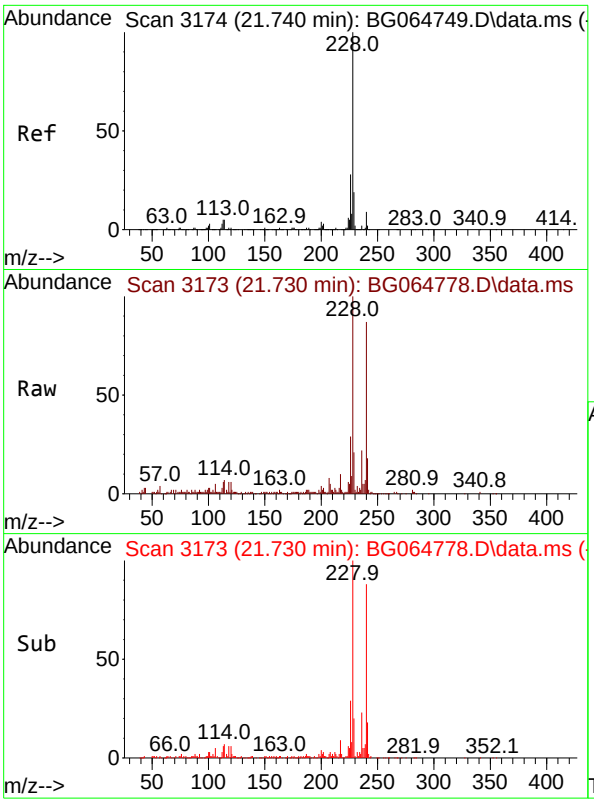


#79
Terphenyl-d14
Concen: 53.398 ng
RT: 20.085 min Scan# 2893
Delta R.T. -0.009 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:244 Resp: 1035139

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	5.8	4.3	6.5



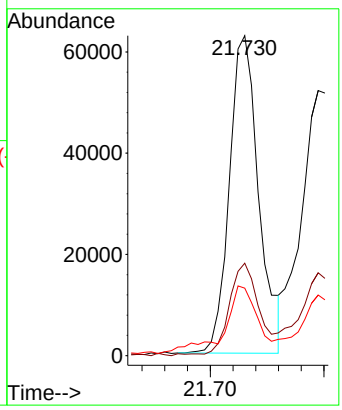


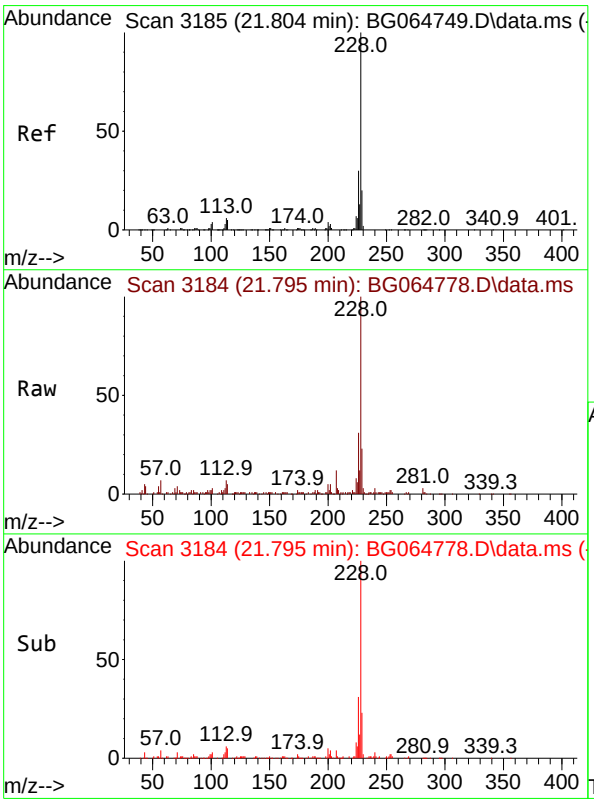
#81
Benzo(a)anthracene
Concen: 4.337 ng
RT: 21.730 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 112442

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.1	33.1
229	21.1	15.5	23.3

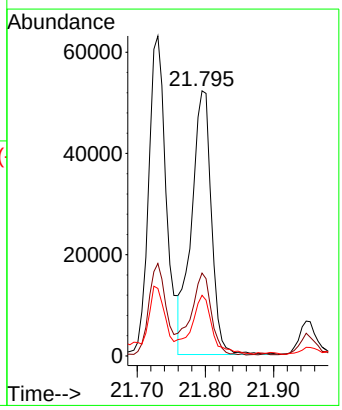


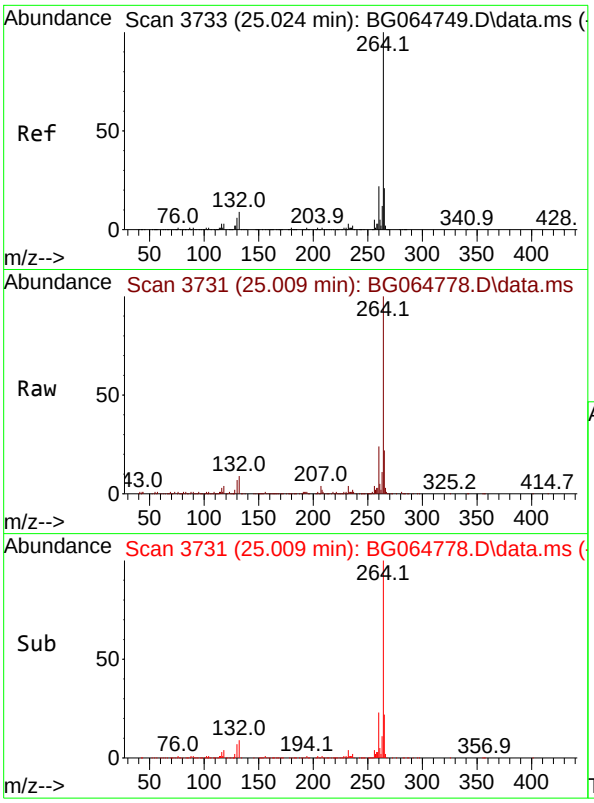


#83
Chrysene
Concen: 4.323 ng
RT: 21.795 min Scan# 3184
Delta R.T. -0.009 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:228 Resp: 105668

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.2
229	22.9	16.0	24.0



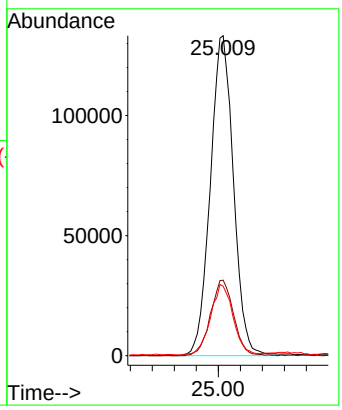


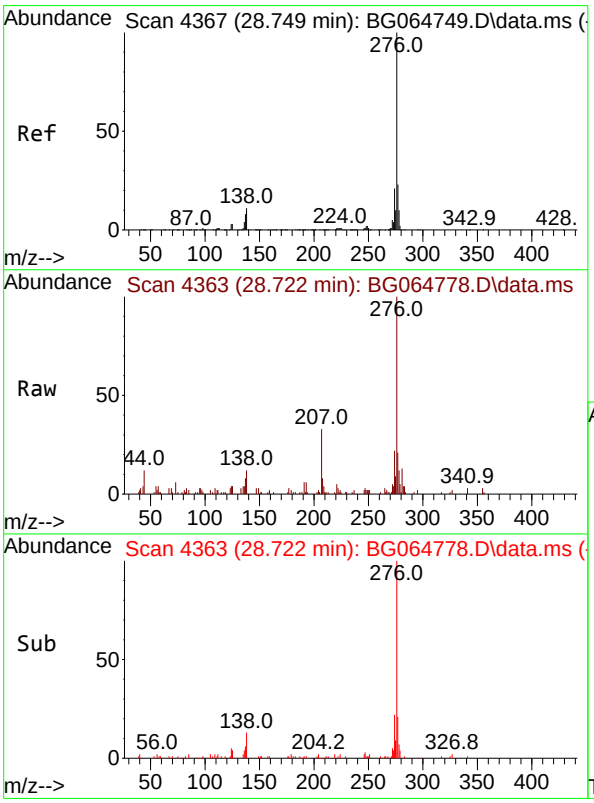
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 389130

Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.2	25.8
265	21.7	16.6	25.0

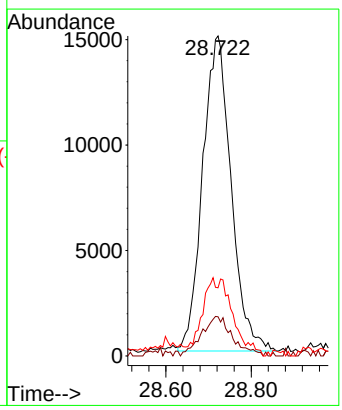


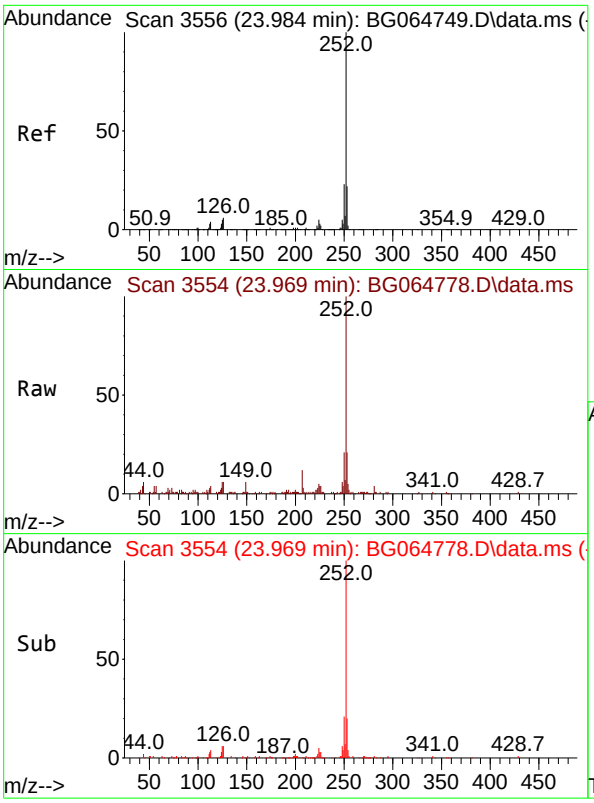


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.589 ng
RT: 28.722 min Scan# 4363
Delta R.T. -0.027 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:276 Resp: 69222

Ion	Ratio	Lower	Upper
276	100		
138	13.7	4.5	6.7#
277	11.3	20.0	30.0#



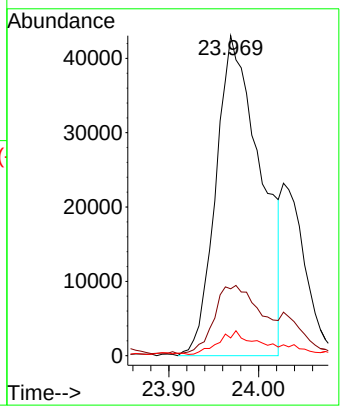


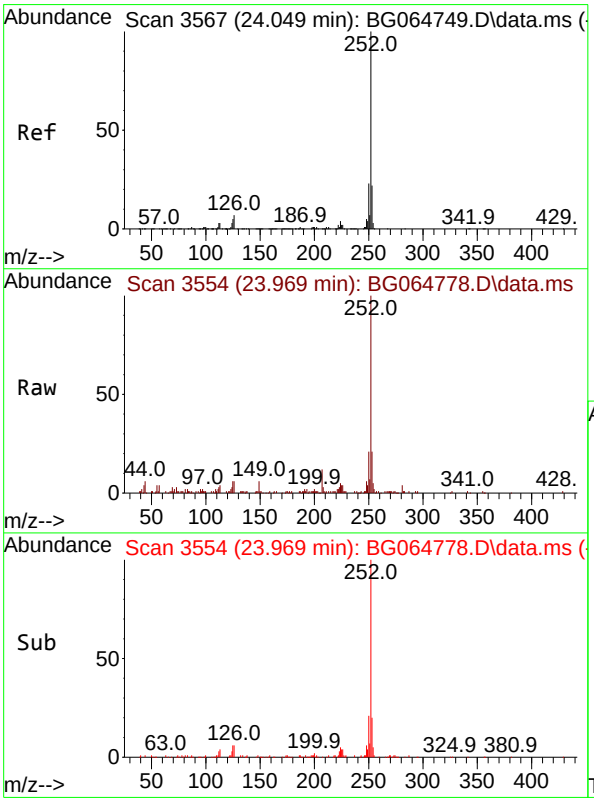
#88
Benzo(b)fluoranthene
Concen: 6.009 ng
RT: 23.969 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 148813

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.4	26.2
125	5.6	4.2	6.2

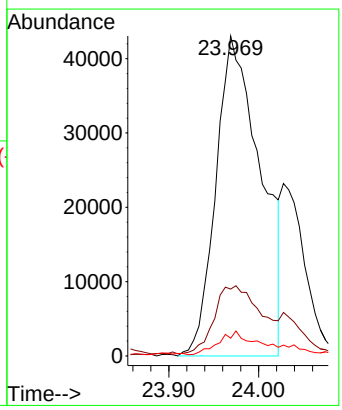


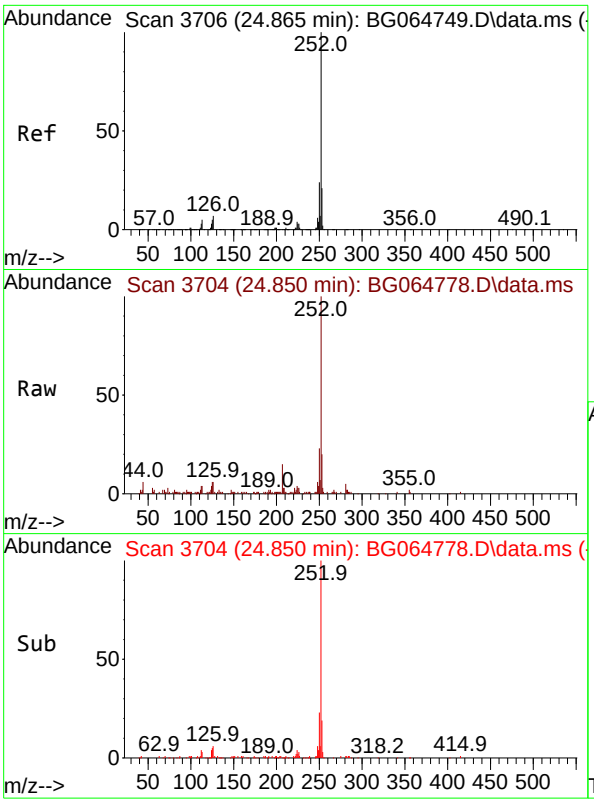


#89
Benzo(k)fluoranthene
Concen: 5.982 ng
RT: 23.969 min Scan# 3554
Delta R.T. -0.080 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:252 Resp: 148813

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.8	26.8
125	5.6	4.1	6.1



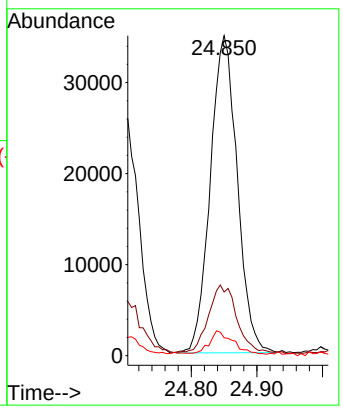


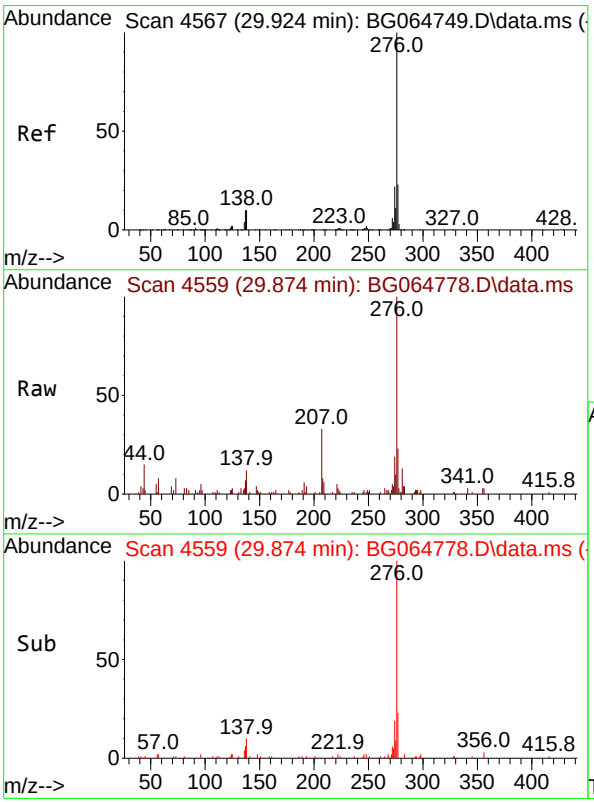
#90
Benzo(a)pyrene
Concen: 4.321 ng
RT: 24.850 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 99257

Ion	Ratio	Lower	Upper
252	100		
253	19.9	16.9	25.3
125	5.6	4.2	6.4





#92
Benzo(g,h,i)perylene
Concen: 3.331 ng
RT: 29.874 min Scan# 4559
Delta R.T. -0.050 min
Lab File: BG064778.D
Acq: 14 Nov 2025 13:58

Tgt Ion:276 Resp: 70218

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.0	27.0
138	11.7	8.2	12.2