Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090925\
Data File : BG064325.D
Acq On : 9 Sep 2025 15:49
Operator : RC/JU
Sample : Q3031-01DL 25X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 09 16:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	20652	20.000	ng	-0.01
21) Naphthalene-d8	10.637	136	84196	20.000	ng	#-0.01
39) Acenaphthene-d10	14.474	164	57058	20.000	ng	0.00
64) Phenanthrene-d10	17.212	188	135981	20.000	ng	#-0.01
76) Chrysene-d12	21.448	240	182350	20.000	ng	# 0.00
86) Perylene-d12	24.456	264	207624	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.438	112	4304	3.739	ng	0.00
7) Phenol-d6	7.018	99	5543	3.505	ng	-0.01
23) Nitrobenzene-d5	8.998	82	4050	2.683	ng	-0.02
42) 2,4,6-Tribromophenol	15.960	330	4071	5.387	ng	-0.01
45) 2-Fluorobiphenyl	13.093	172	7901	2.114	ng	-0.02
79) Terphenyl-d14	19.832	244	18707	2.140	ng	-0.01
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.474	165	8606	10.293	ng	# 19
57) 2,4-Dinitrotoluene	14.474	165	8606	6.808	ng	# 22
58) Fluorene	15.520	166	12280	2.923	ng	# 87
71) Phenanthrene	17.259	178	161938	22.579	ng	97
72) Anthracene	17.259	178	161938	22.197	ng	100
75) Fluoranthene	19.268	202	366354	43.443	ng	97
78) Pyrene	19.633	202	315759	27.485	ng	99
81) Benzo(a)anthracene	21.431	228	195003	16.716	ng	99
83) Chrysene	21.489	228	169094	15.098	ng	96
84) Bis(2-ethylhexyl)phtha...	21.583	149	159252	24.480	ng	# 73
87) Indeno(1,2,3-cd)pyrene	27.829	276	89117	6.285	ng	# 95
88) Benzo(b)fluoranthene	23.510	252	211317	18.033	ng	100
89) Benzo(k)fluoranthene	23.510	252	211317	17.701	ng	97
90) Benzo(a)pyrene	24.521	252	38656	3.546	ng	99
91) Dibenzo(a,h)anthracene	27.876	278	27246	2.393	ng	98
92) Benzo(g,h,i)perylene	28.886	276	85002	7.673	ng	98

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

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090925\
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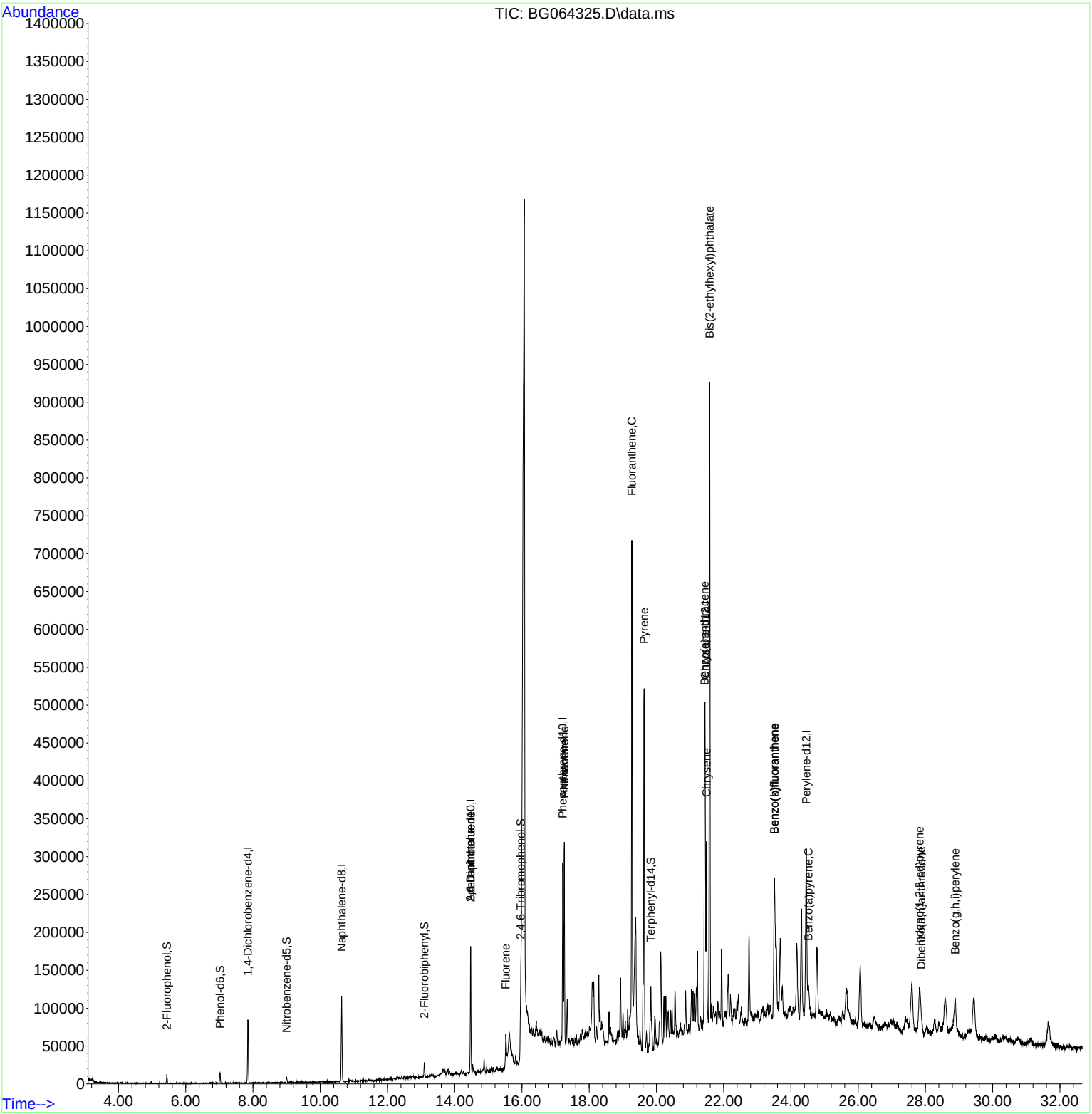
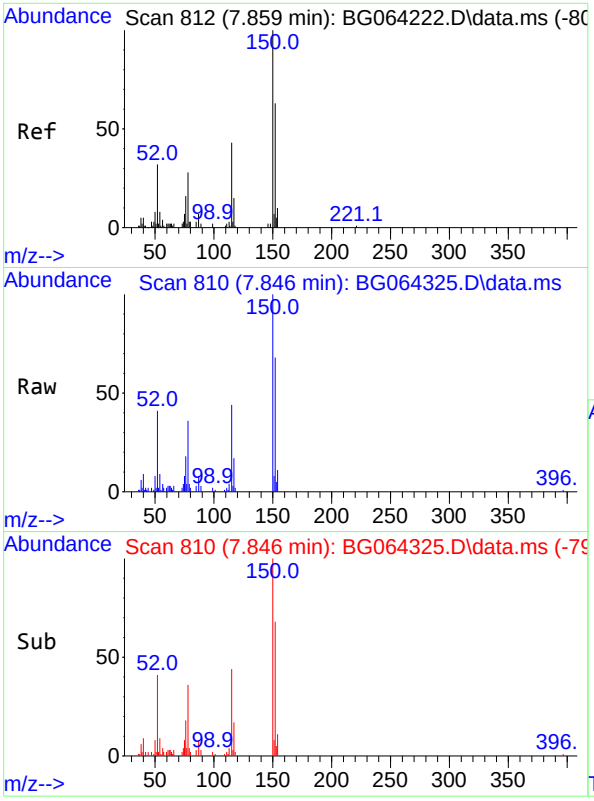
Acq On : 9 Sep 2025 15:49
Operator : RC/JU
Sample : Q3031-01DL 25X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 09 16:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration



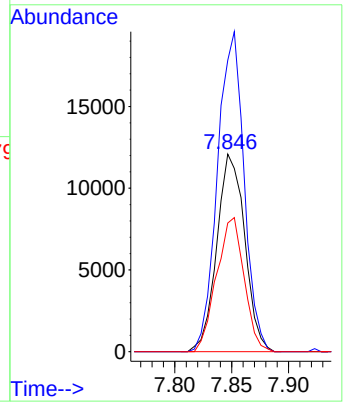


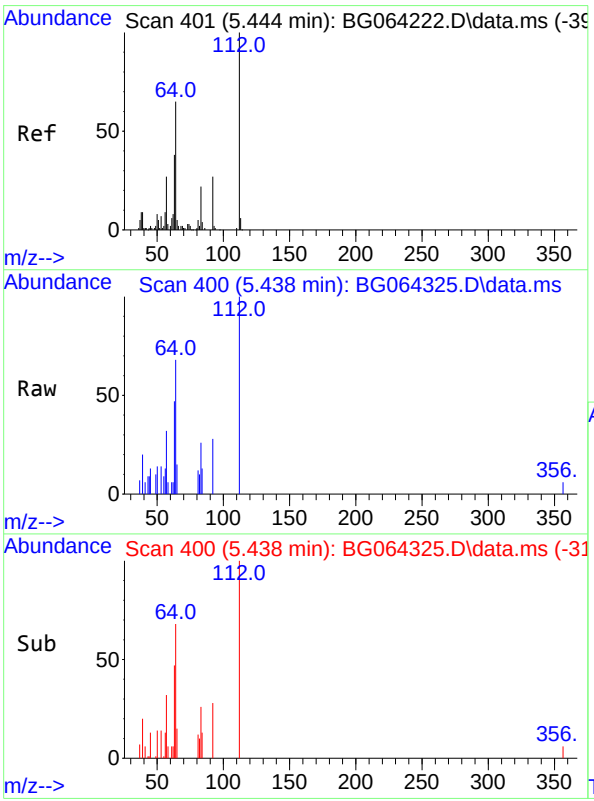
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 81
Delta R.T. -0.013 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 20652

Ion	Ratio	Lower	Upper
152	100		
150	147.5	128.0	192.0
115	65.1	55.7	83.5

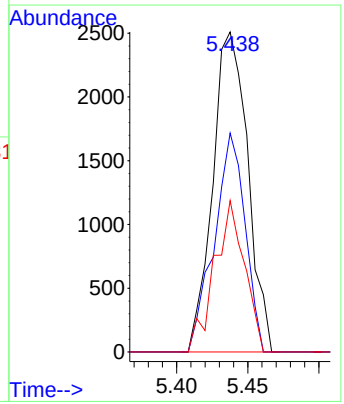


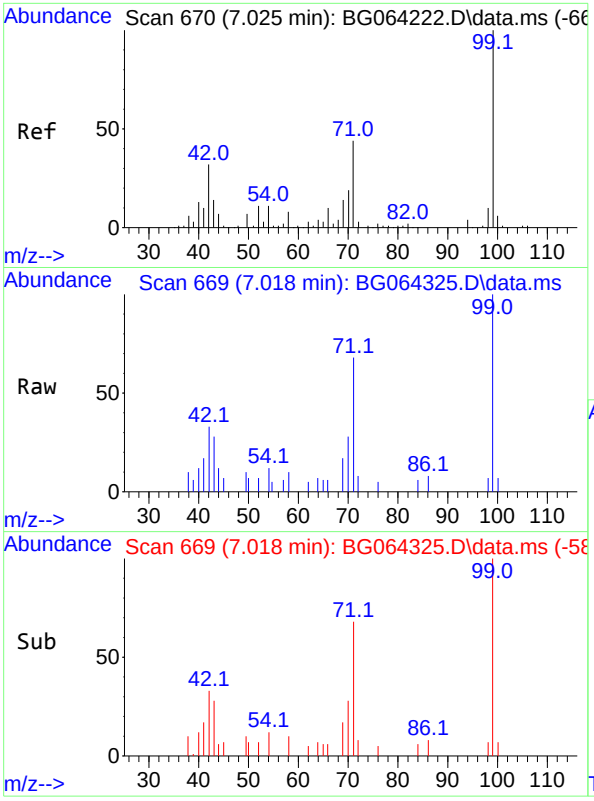


#5
2-Fluorophenol
Concen: 3.739 ng
RT: 5.438 min Scan# 400
Delta R.T. -0.007 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:112 Resp: 4304

Ion	Ratio	Lower	Upper
112	100		
64	68.4	51.8	77.6
63	47.3	30.6	45.8#



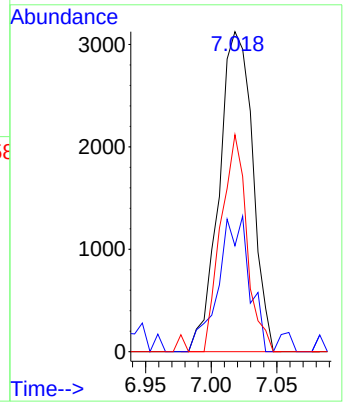


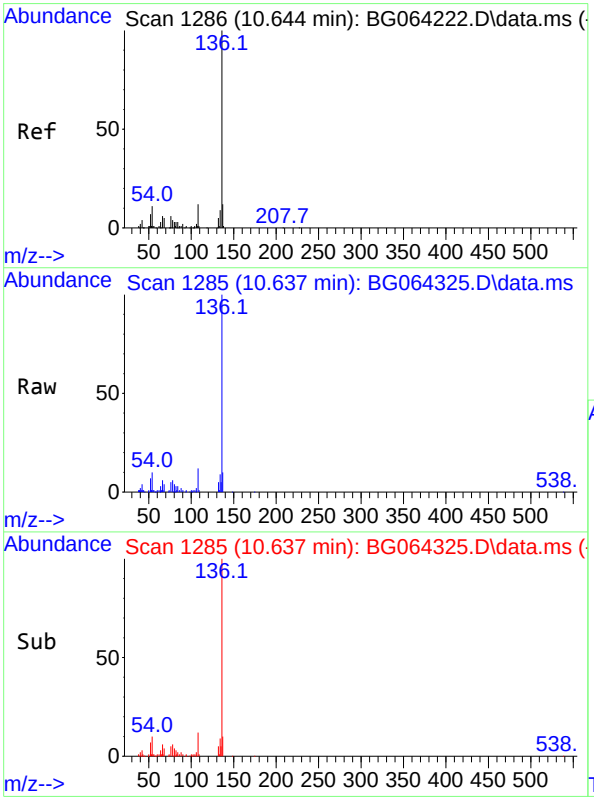
#7
Phenol-d6
Concen: 3.505 ng
RT: 7.018 min Scan# 6
Delta R.T. -0.013 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 99 Resp: 5543

Ion	Ratio	Lower	Upper
99	100		
42	33.1	25.8	38.8
71	67.8	35.2	52.8#

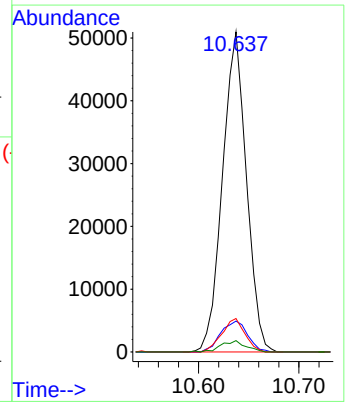


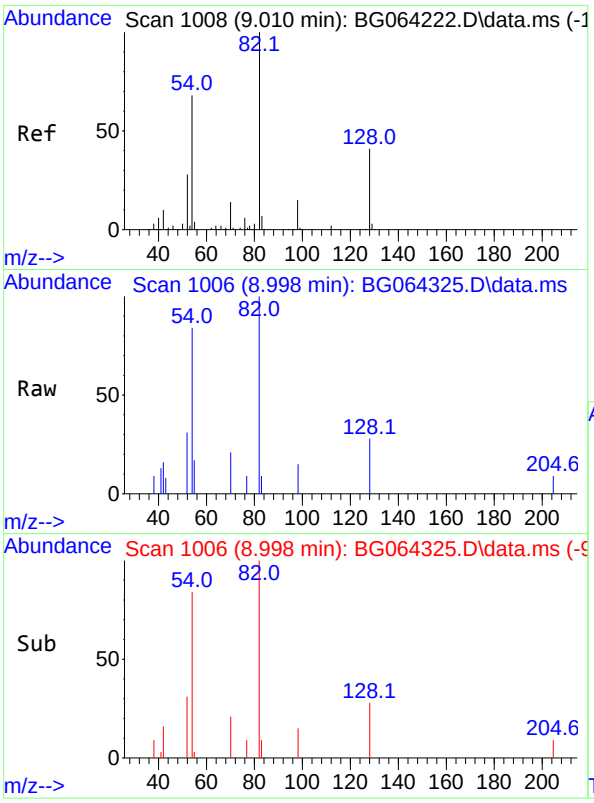


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.637 min Scan# 1285
Delta R.T. -0.013 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:136 Resp: 84196

Ion	Ratio	Lower	Upper
136	100		
137	9.6	9.6	14.4
54	10.4	8.8	13.2
68	3.5	4.1	6.1#



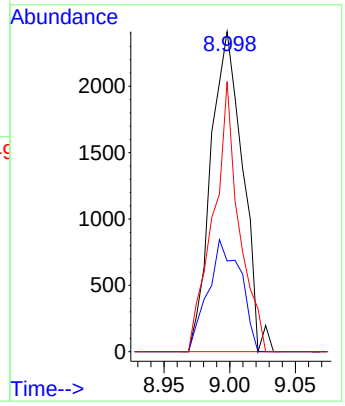


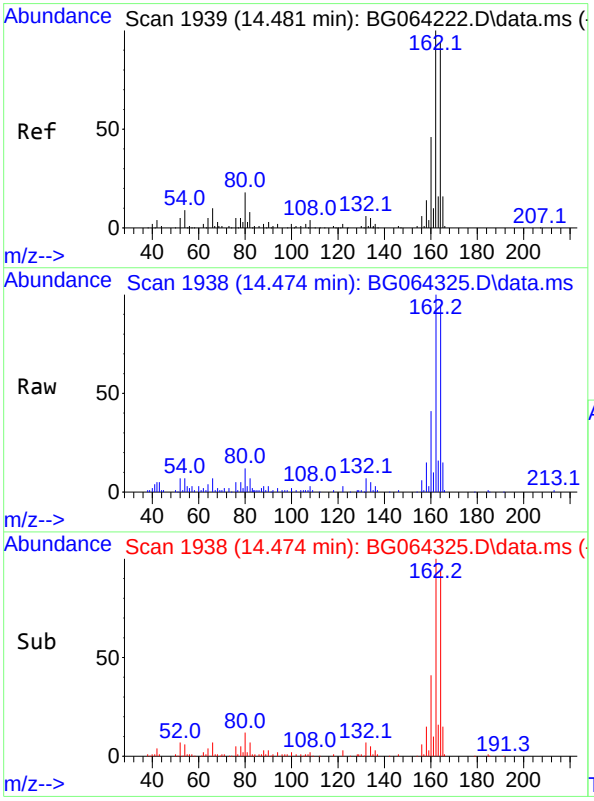
#23
Nitrobenzene-d5
Concen: 2.683 ng
RT: 8.998 min Scan# 1
Delta R.T. -0.019 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 82 Resp: 4050

Ion	Ratio	Lower	Upper
82	100		
128	28.4	32.6	48.8#
54	84.4	54.7	82.1#

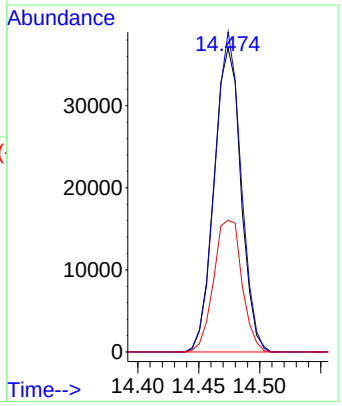


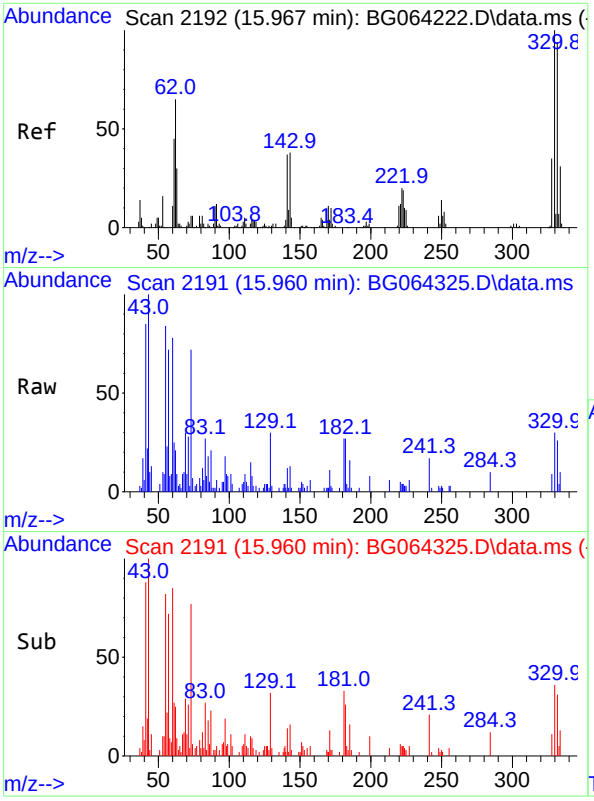


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1938
Delta R.T. -0.007 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:164 Resp: 57058

Ion	Ratio	Lower	Upper
164	100		
162	105.2	85.4	128.0
160	43.3	39.2	58.8



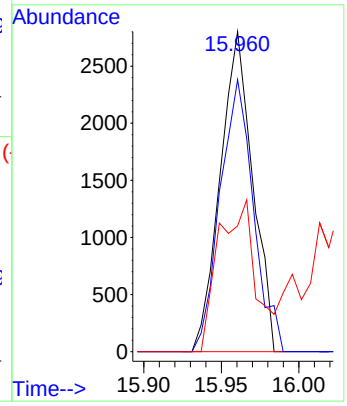


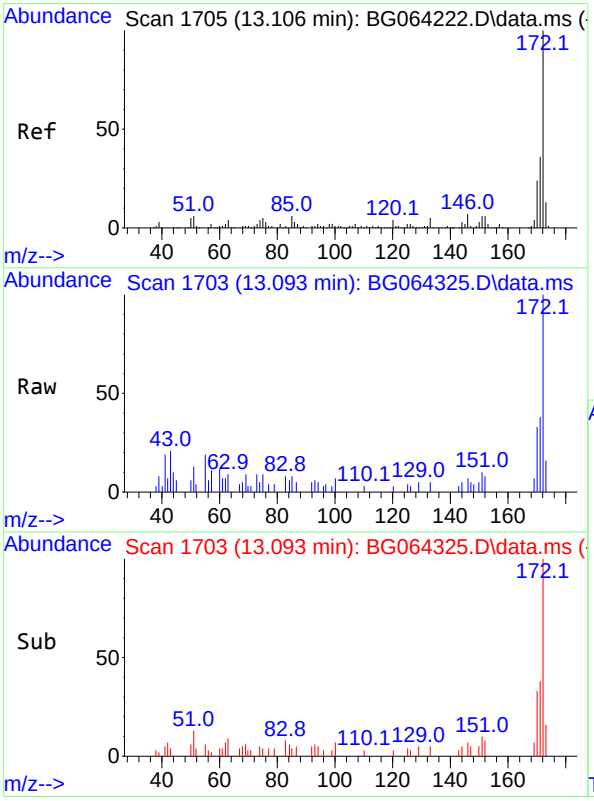
#42
2,4,6-Tribromophenol
Concen: 5.387 ng
RT: 15.960 min Scan# 21
Delta R.T. -0.013 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:330 Resp: 4071

Ion	Ratio	Lower	Upper
330	100		
332	87.5	77.6	116.4
141	54.7	29.8	44.6#

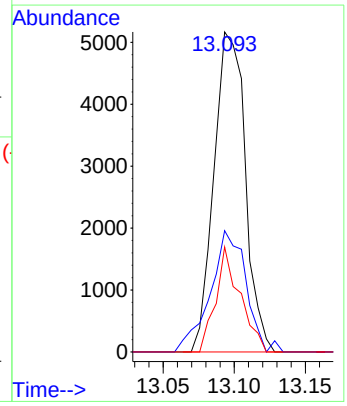


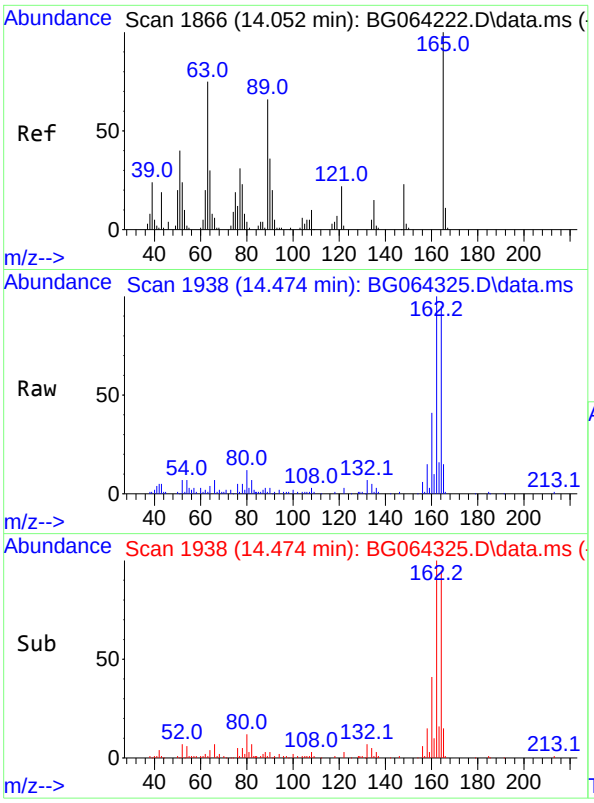


#45
2-Fluorobiphenyl
Concen: 2.114 ng
RT: 13.093 min Scan# 1703
Delta R.T. -0.019 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:172 Resp: 7901

Ion	Ratio	Lower	Upper
172	100		
171	37.9	28.7	43.1
170	32.8	19.0	28.6#



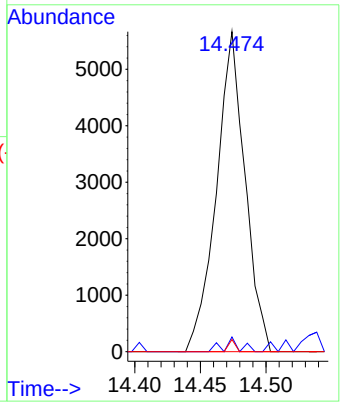


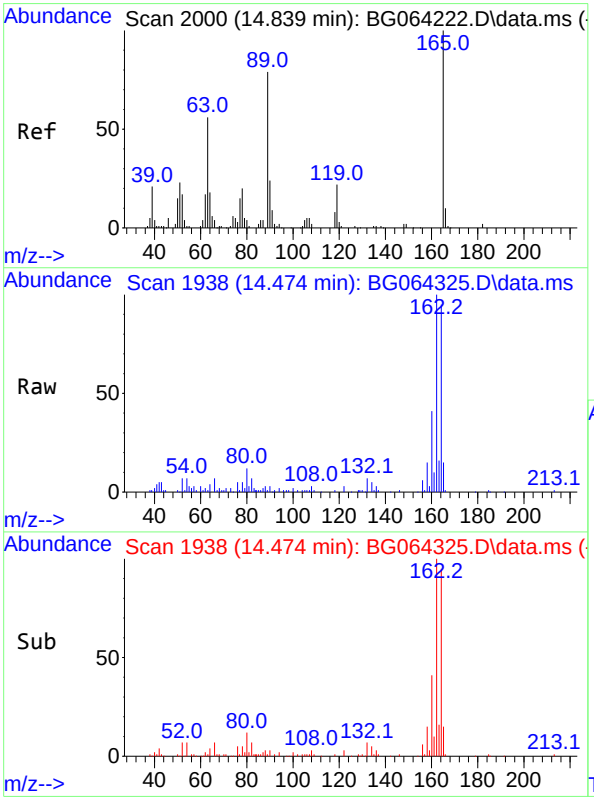
#51
2,6-Dinitrotoluene
Concen: 10.293 ng
RT: 14.474 min Scan# 1
Delta R.T. 0.416 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:165 Resp: 8606

Ion	Ratio	Lower	Upper
165	100		
63	4.6	60.3	90.5#
89	3.8	52.9	79.3#

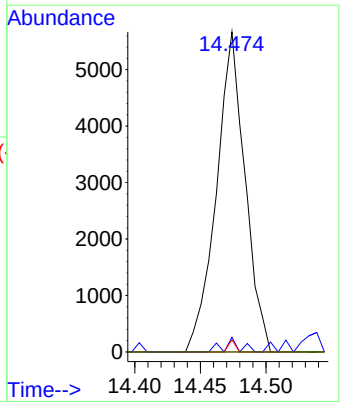


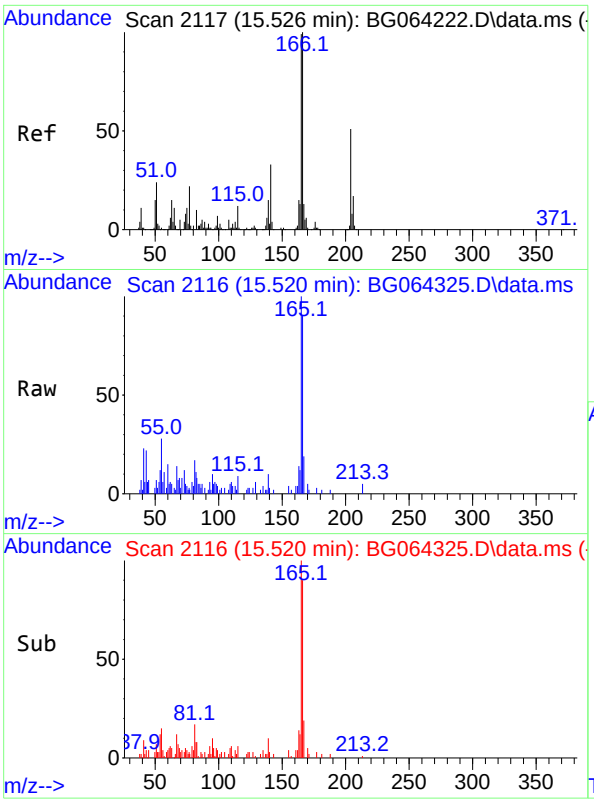


#57
2,4-Dinitrotoluene
Concen: 6.808 ng
RT: 14.474 min Scan# 1938
Delta R.T. -0.371 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:165 Resp: 8606

Ion	Ratio	Lower	Upper
165	100		
63	4.6	44.6	67.0#
89	3.8	63.0	94.4#
182	0.0	1.5	2.3#



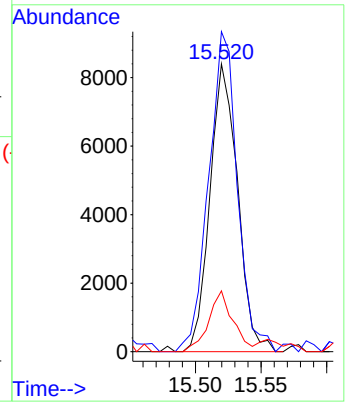


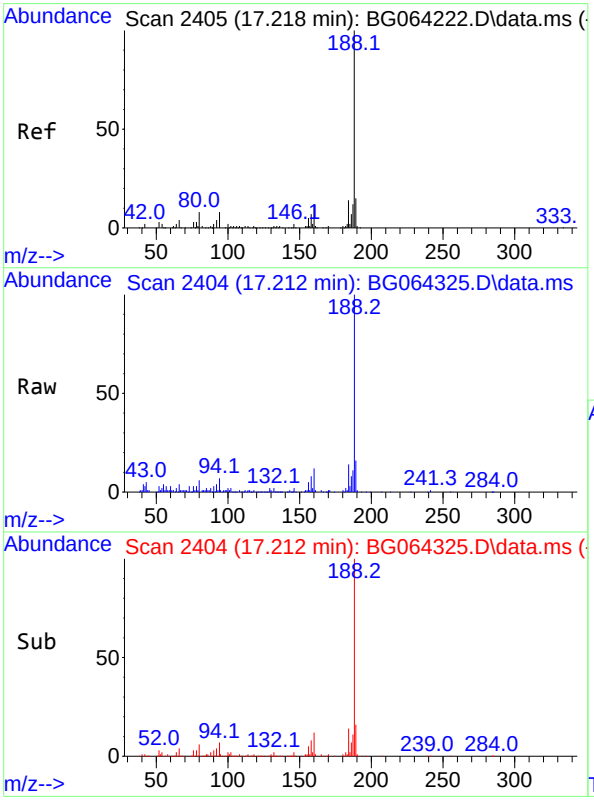
#58
Fluorene
Concen: 2.923 ng
RT: 15.520 min Scan# 2
Delta R.T. -0.013 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:166 Resp: 12280

Ion	Ratio	Lower	Upper
166	100		
165	111.2	79.1	118.7
167	21.1	10.2	15.4#

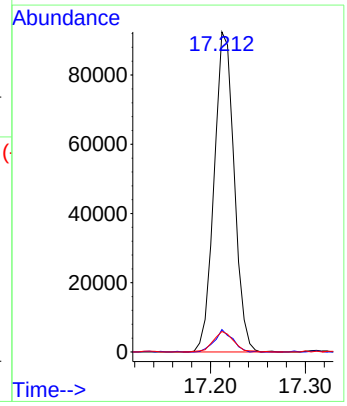


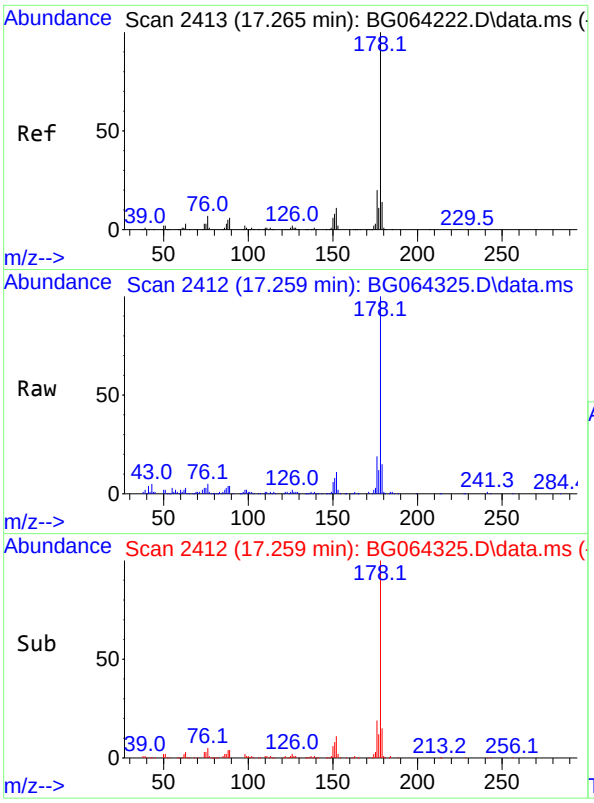


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.212 min Scan# 2404
Delta R.T. -0.013 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:188 Resp: 135981

Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.2	9.4
80	6.4	6.8	10.2#



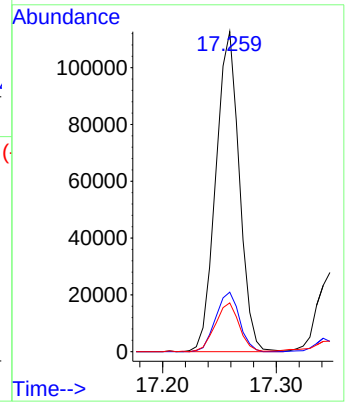


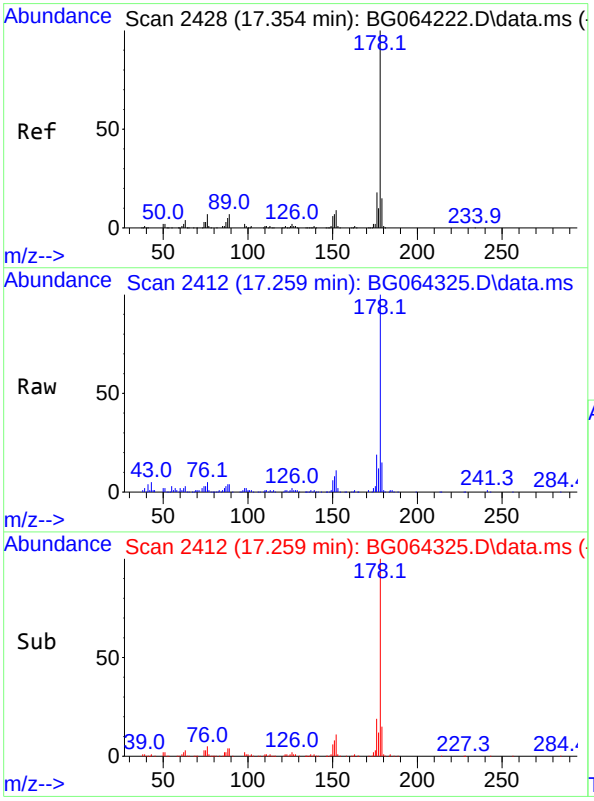
#71
Phenanthrene
Concen: 22.579 ng
RT: 17.259 min Scan# 24
Delta R.T. -0.007 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 161938

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	15.3	11.4	17.2

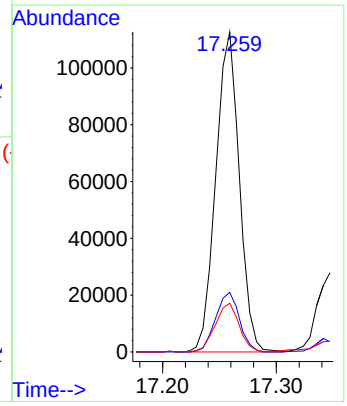


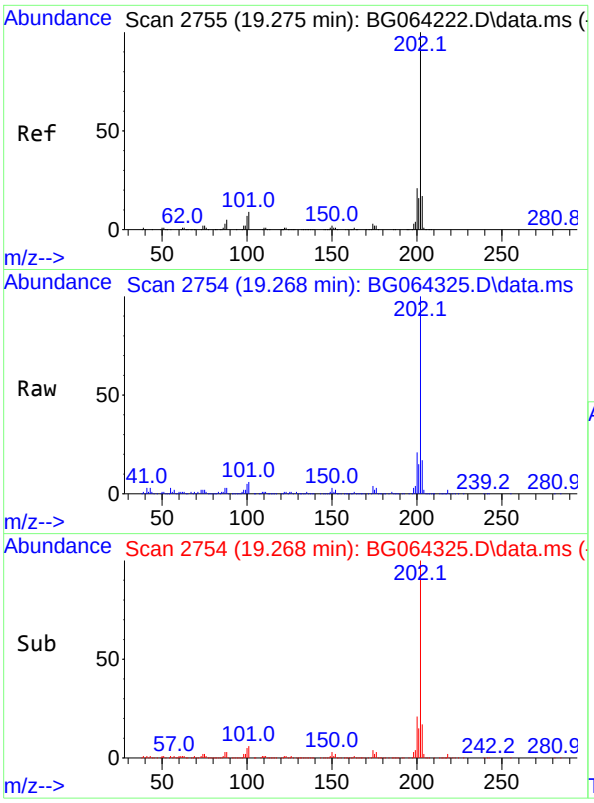


#72
Anthracene
Concen: 22.197 ng
RT: 17.259 min Scan# 2412
Delta R.T. -0.101 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:178 Resp: 161938

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.3	12.1	18.1



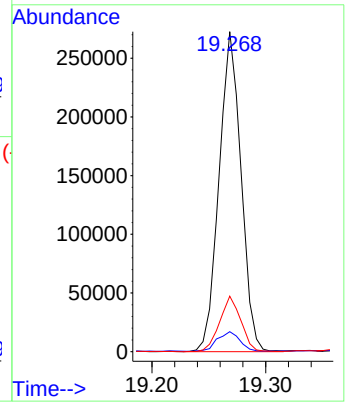


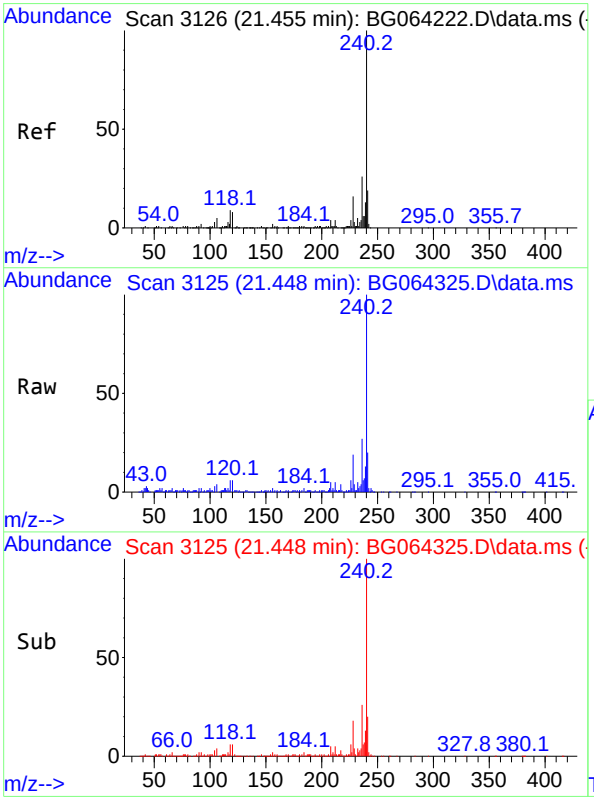
#75
Fluoranthene
Concen: 43.443 ng
RT: 19.268 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 366354

Ion	Ratio	Lower	Upper
202	100		
101	6.2	0.0	28.7
203	17.3	0.0	36.9

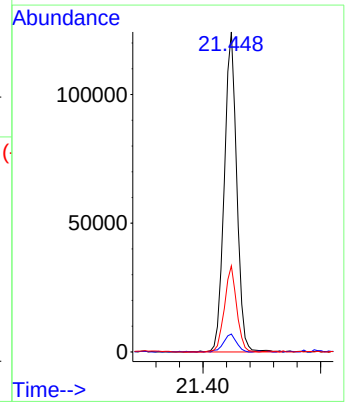


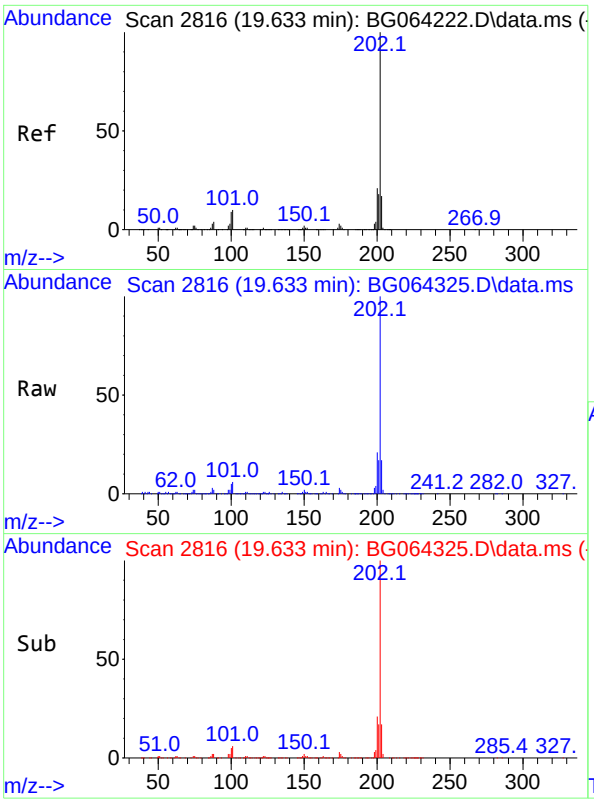


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. -0.007 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:240 Resp: 182350

Ion	Ratio	Lower	Upper
240	100		
120	5.6	6.2	9.4#
236	26.9	20.5	30.7



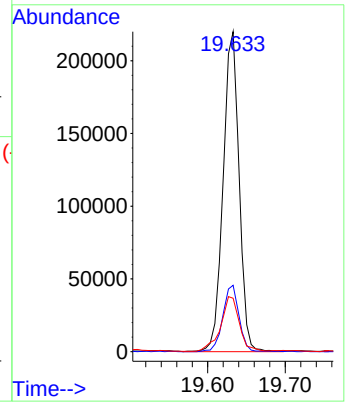


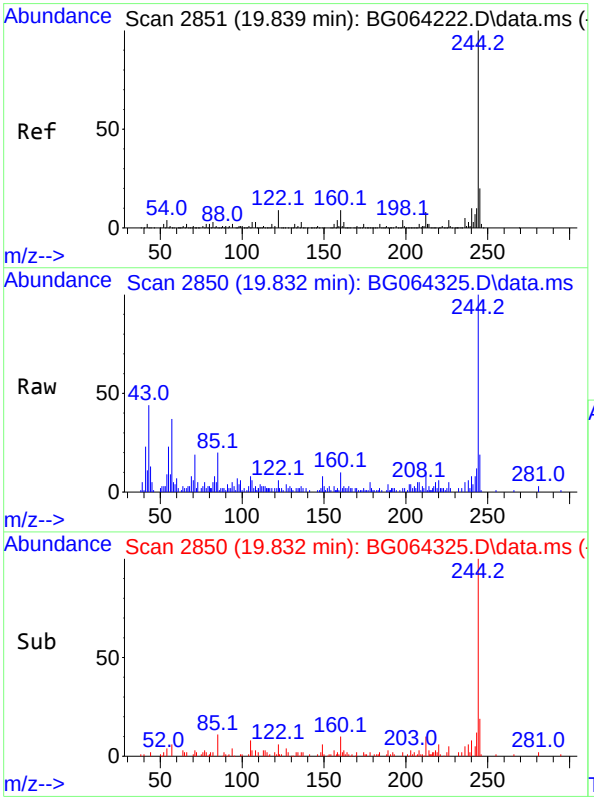
#78
Pyrene
Concen: 27.485 ng
RT: 19.633 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:202 Resp: 315759

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	16.7	13.8	20.8

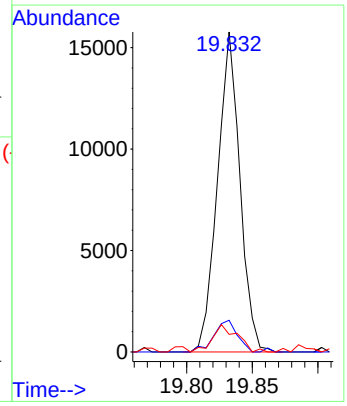


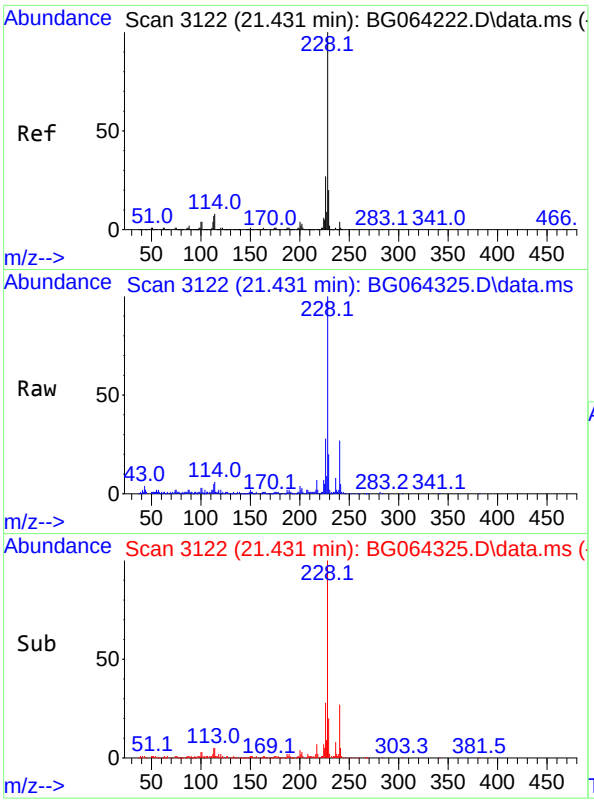


#79
Terphenyl-d14
Concen: 2.140 ng
RT: 19.832 min Scan# 2850
Delta R.T. -0.013 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:244 Resp: 18707

Ion	Ratio	Lower	Upper
244	100		
212	9.9	6.6	10.0
122	5.5	7.0	10.6#



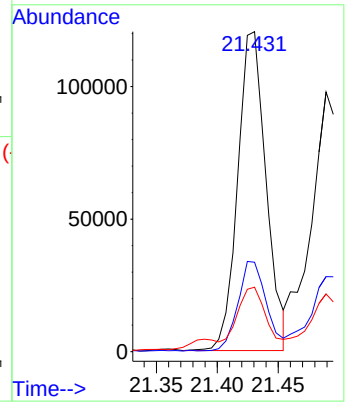


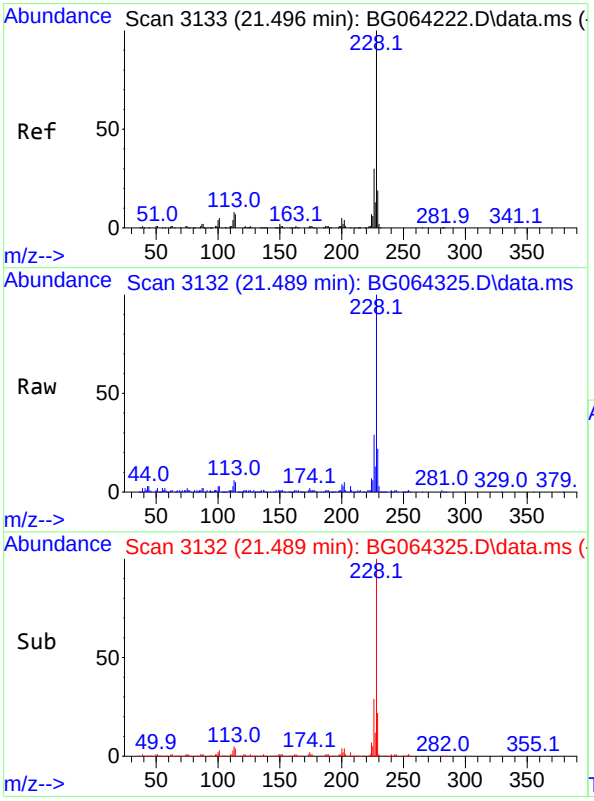
#81
Benzo(a)anthracene
Concen: 16.716 ng
RT: 21.431 min Scan# 3
Delta R.T. -0.007 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 195003

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.7	32.5
229	20.2	15.9	23.9

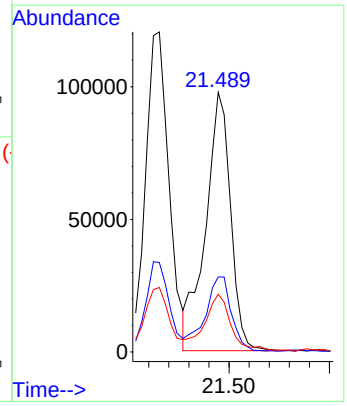


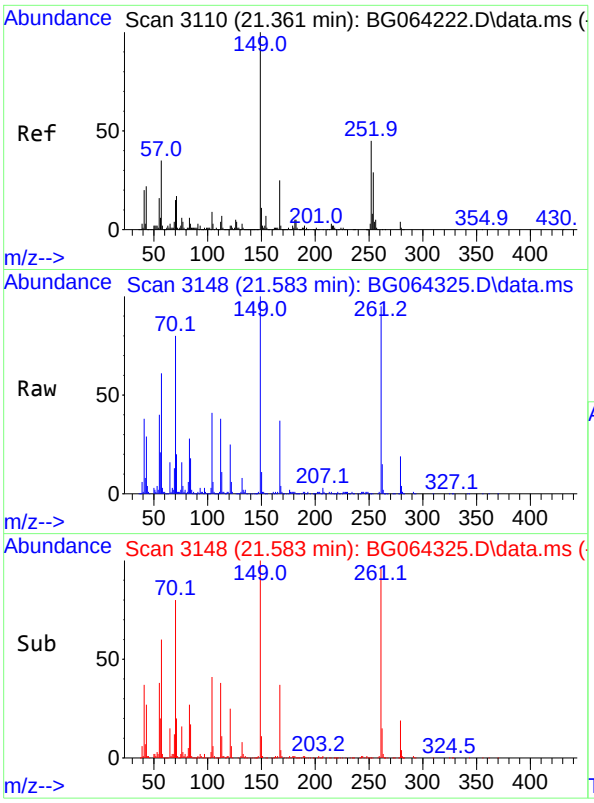


#83
Chrysene
Concen: 15.098 ng
RT: 21.489 min Scan# 3132
Delta R.T. -0.013 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:228 Resp: 169094

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.2	36.2
229	22.2	15.4	23.2



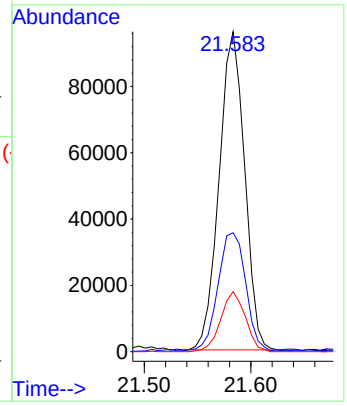


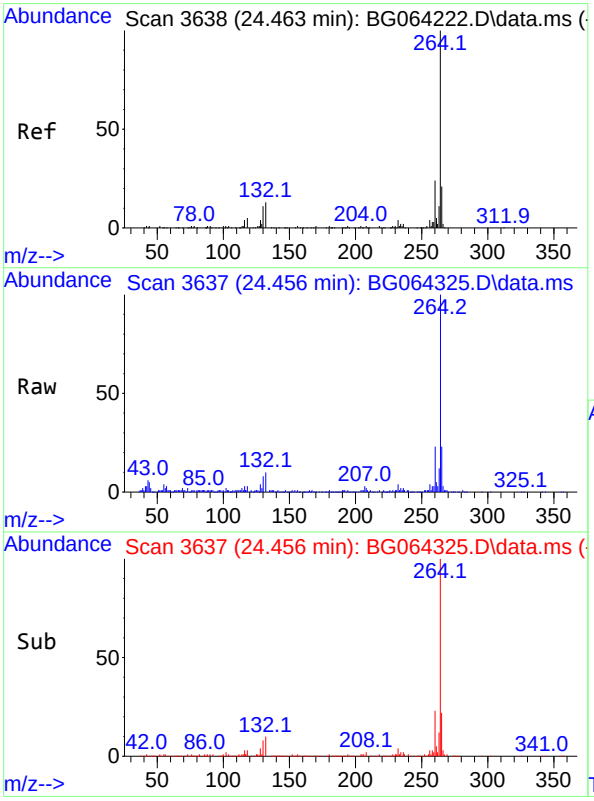
#84
Bis(2-ethylhexyl)phthalate
Concen: 24.480 ng
RT: 21.583 min Scan# 3
Delta R.T. 0.216 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:149 Resp: 159252

Ion	Ratio	Lower	Upper
149	100		
167	37.1	20.0	30.0#
279	18.8	3.0	4.4#

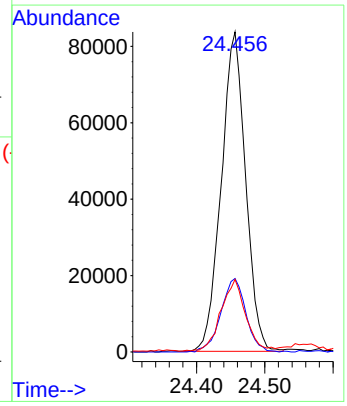


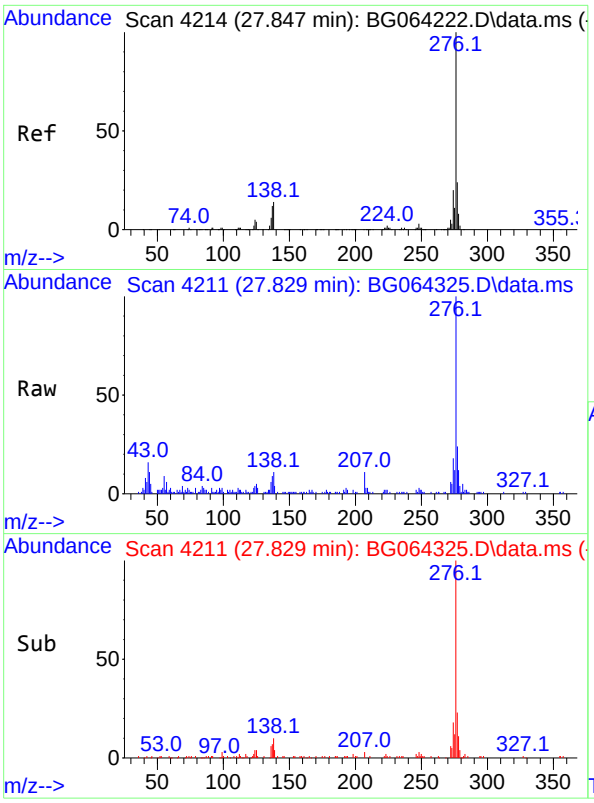


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3637
Delta R.T. -0.007 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:264 Resp: 207624

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.9	28.3
265	22.7	16.7	25.1



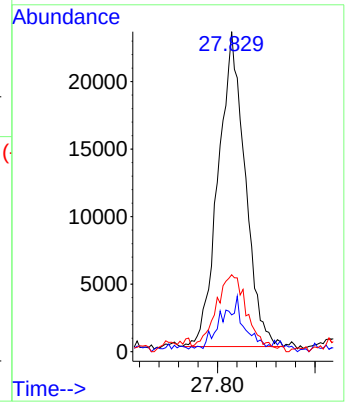


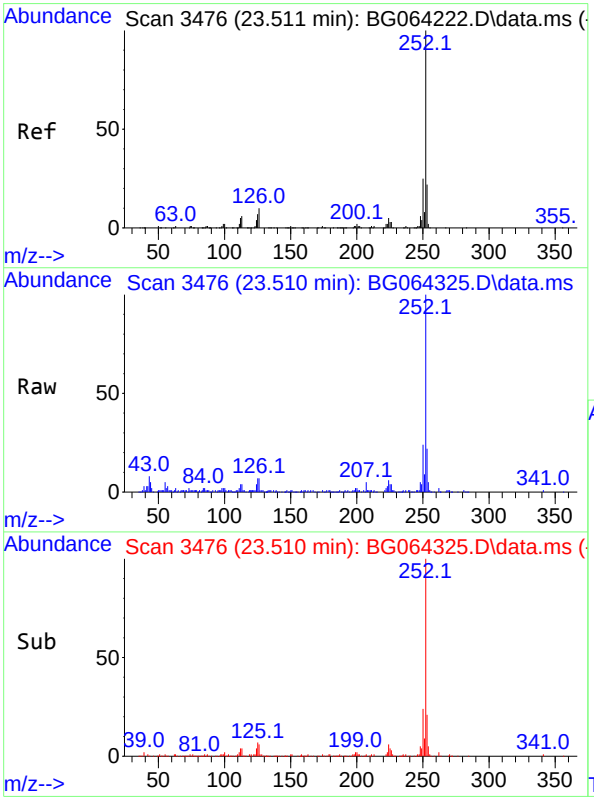
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.285 ng
RT: 27.829 min Scan# 4
Delta R.T. -0.042 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:276 Resp: 89117

Ion	Ratio	Lower	Upper
276	100		
138	14.4	7.4	11.0#
277	26.3	20.5	30.7

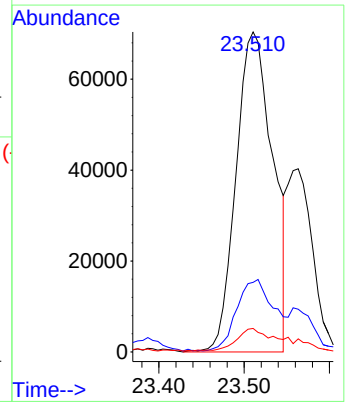


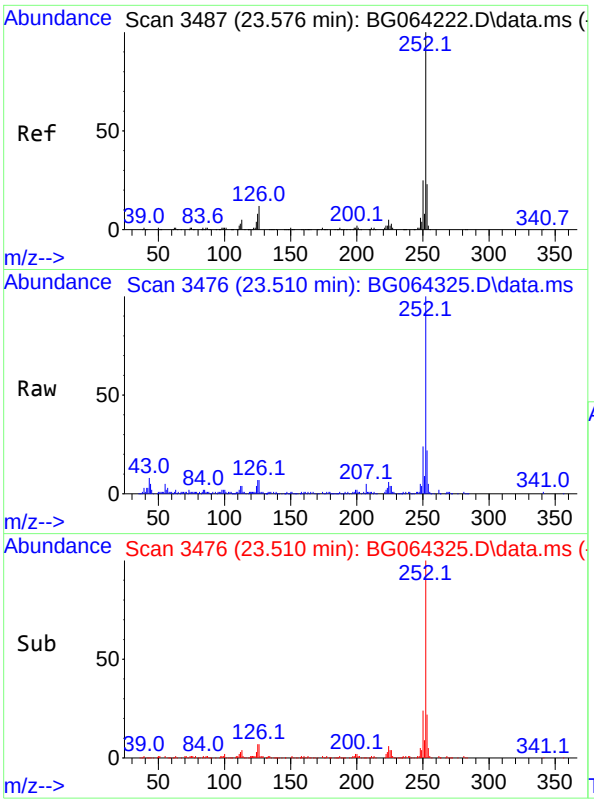


#88
Benzo(b)fluoranthene
Concen: 18.033 ng
RT: 23.510 min Scan# 3476
Delta R.T. -0.007 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:252 Resp: 211317

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	7.4	5.9	8.9



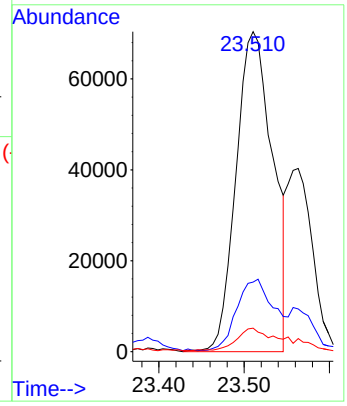


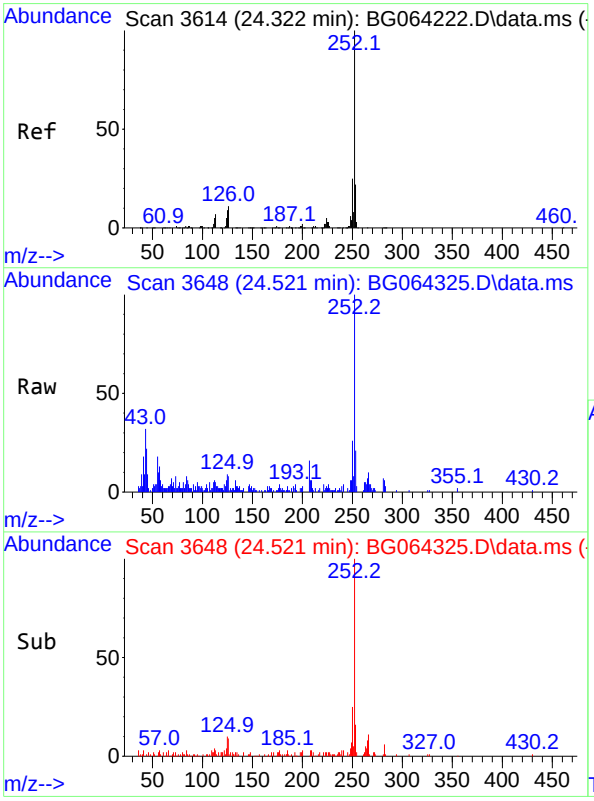
#89
Benzo(k)fluoranthene
Concen: 17.701 ng
RT: 23.510 min Scan# 3
Delta R.T. -0.077 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 211317

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	7.4	7.0	10.4

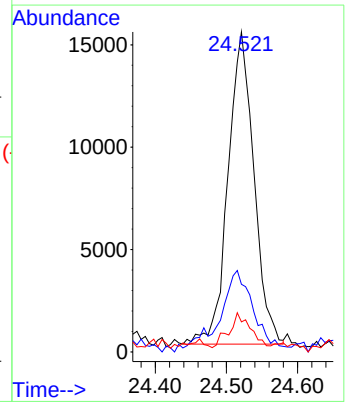


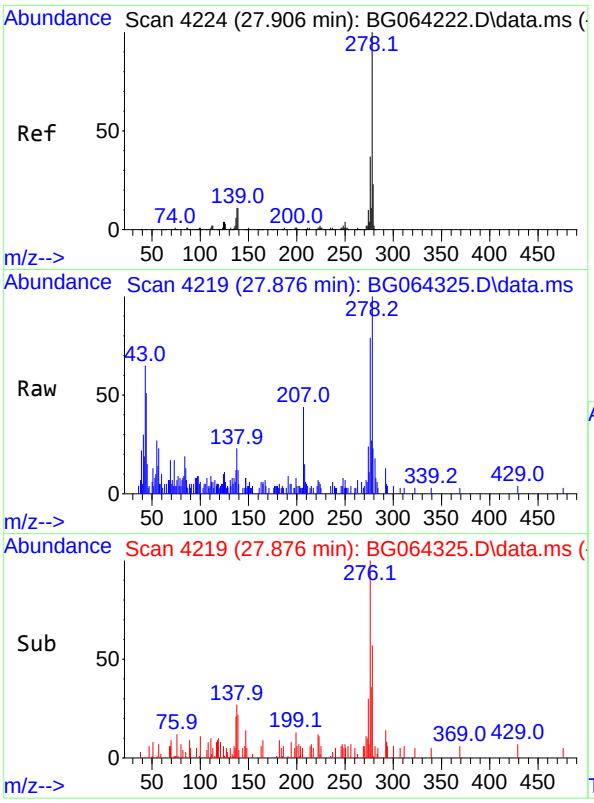


#90
Benzo(a)pyrene
Concen: 3.546 ng
RT: 24.521 min Scan# 3648
Delta R.T. 0.193 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:252 Resp: 38656

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	9.4	7.0	10.6



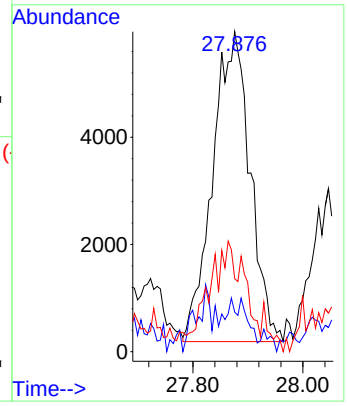


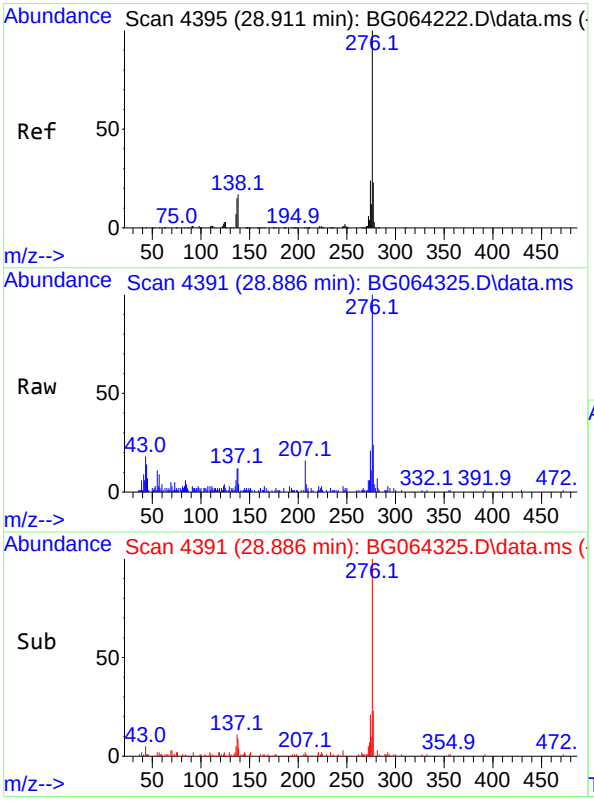
#91
Dibenzo(a,h)anthracene
Concen: 2.393 ng
RT: 27.876 min Scan# 4
Delta R.T. -0.048 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:278 Resp: 27246

Ion	Ratio	Lower	Upper
278	100		
139	12.3	9.0	13.4
279	22.8	18.8	28.2





#92
Benzo(g,h,i)perylene
Concen: 7.673 ng
RT: 28.886 min Scan# 4391
Delta R.T. -0.048 min
Lab File: BG064325.D
Acq: 9 Sep 2025 15:49

Tgt Ion:276 Resp: 85002

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.2	27.4
138	15.9	13.3	19.9