Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
Data File : BG061237.D
Acq On : 17 May 2024 13:48
Operator : MA/JU
Sample : P2482-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P-01-229

Quant Time: May 17 14:30:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	27931	20.000	ng	-0.03
21) Naphthalene-d8	10.722	136	110563	20.000	ng	-0.04
39) Acenaphthene-d10	14.558	164	84549	20.000	ng	-0.03
64) Phenanthrene-d10	17.308	188	183195	20.000	ng	#-0.02
76) Chrysene-d12	21.568	240	185718	20.000	ng	#-0.02
86) Perylene-d12	24.693	264	228697	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	126675	92.236	ng	-0.02
7) Phenol-d6	7.114	99	176706	86.976	ng	-0.02
23) Nitrobenzene-d5	9.088	82	127577	57.201	ng	-0.03
42) 2,4,6-Tribromophenol	16.051	330	112980	66.853	ng	-0.02
45) 2-Fluorobiphenyl	13.177	172	315337	55.151	ng	-0.03
79) Terphenyl-d14	19.928	244	589864	52.823	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.154	88	1695	3.052	ng	# 1
9) Benzaldehyde	7.114	77	324	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.082	70	19468	12.804	ng	# 54
51) 2,6-Dinitrotoluene	14.558	165	10558	7.558	ng	# 15
52) Acenaphthene	14.623	154	9359	2.250	ng	89
57) 2,4-Dinitrotoluene	14.558	165	10558	5.109	ng	# 17
67) 4-Bromophenyl-phenylether	16.051	248	7585	3.515	ng	# 1
71) Phenanthrene	17.349	178	146083	17.440	ng	99
72) Anthracene	17.437	178	32250	3.858	ng	96
73) Carbazole	17.713	167	15495	2.108	ng	96
75) Fluoranthene	19.364	202	314433	27.400	ng	99
77) Benzidine	19.923	184	9569	5.345	ng	# 90
78) Pyrene	19.729	202	279890	23.705	ng	99
81) Benzo(a)anthracene	21.550	228	178016	14.648	ng	98
83) Chrysene	21.550	228	177965	15.630	ng	94
87) Indeno(1,2,3-cd)pyrene	28.242	276	113548	7.492	ng	# 96
88) Benzo(b)fluoranthene	23.700	252	218773	17.119	ng	99
89) Benzo(k)fluoranthene	23.700	252	218773	17.794	ng	# 99
90) Benzo(a)pyrene	24.541	252	161984	14.549	ng	97
91) Dibenzo(a,h)anthracene	28.289	278	30028	2.392	ng	# 90
92) Benzo(g,h,i)perylene	29.347	276	109023	8.741	ng	# 96

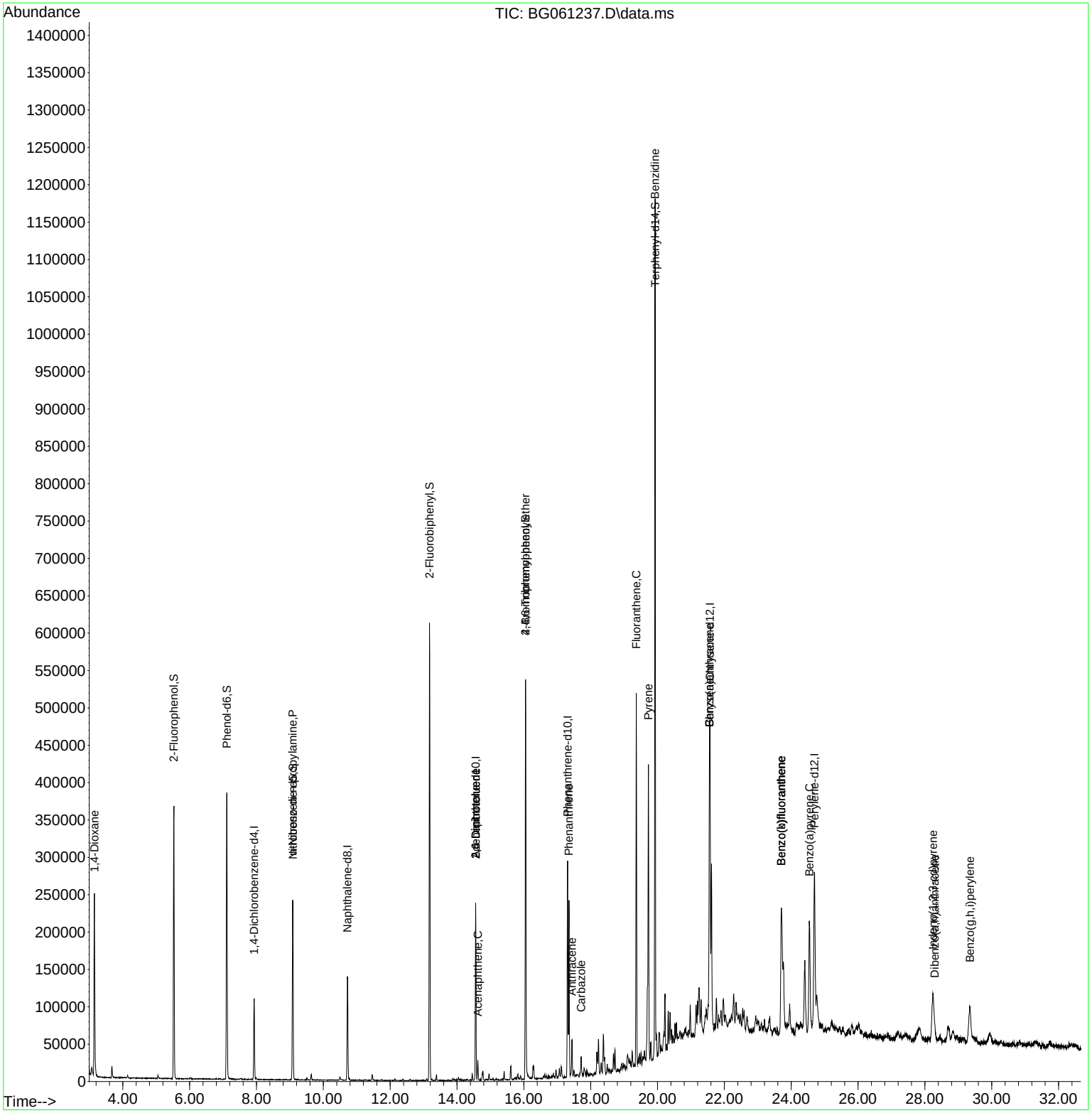
(#) = qualifier out of range (m) = manual integration (+) = signals summed

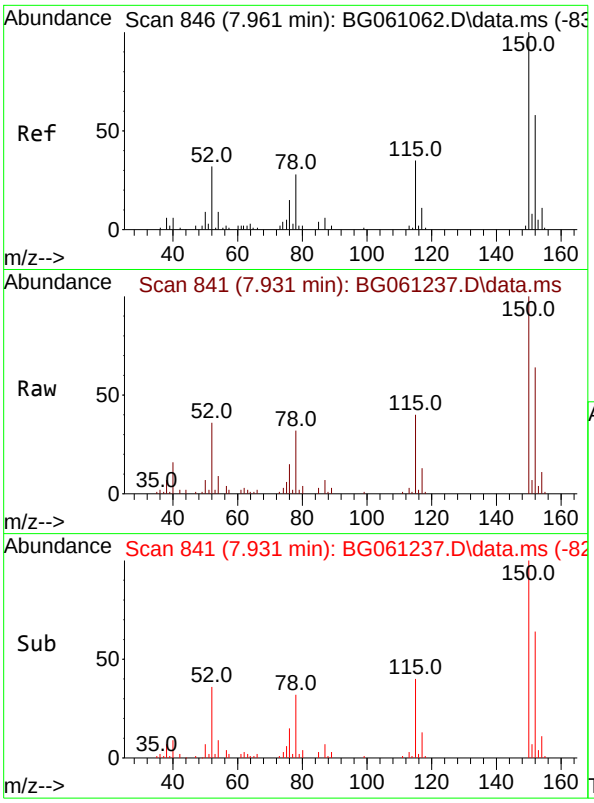
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
Data File : BG061237.D
Acq On : 17 May 2024 13:48
Operator : MA/JU
Sample : P2482-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P-01-229

Quant Time: May 17 14:30:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration



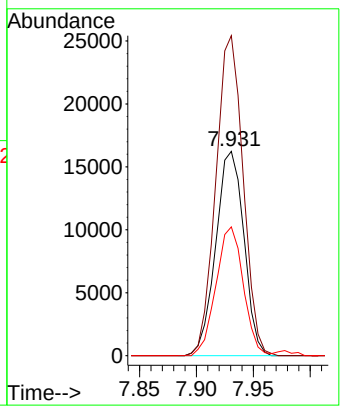


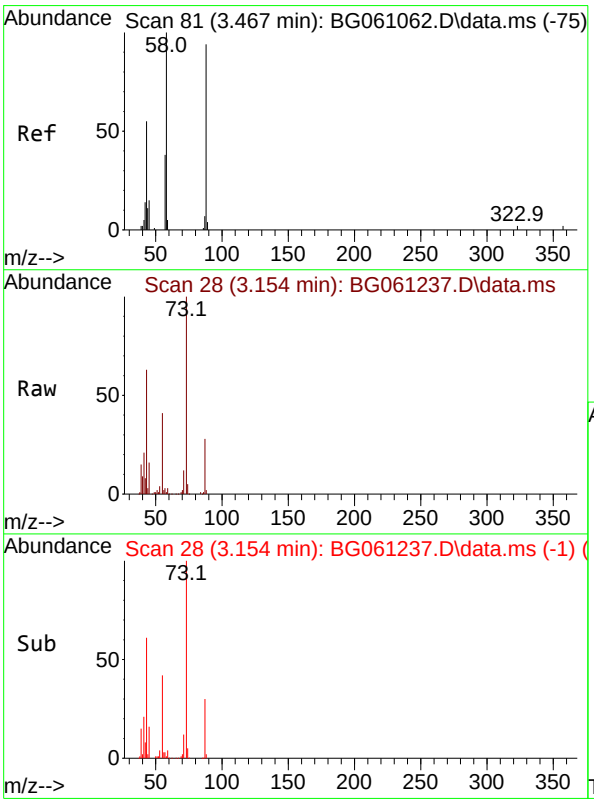
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 84
Delta R.T. -0.030 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:152 Resp: 27931

Ion	Ratio	Lower	Upper
152	100		
150	156.6	138.3	207.5
115	63.0	48.0	72.0

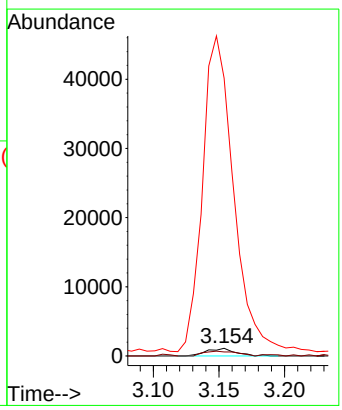


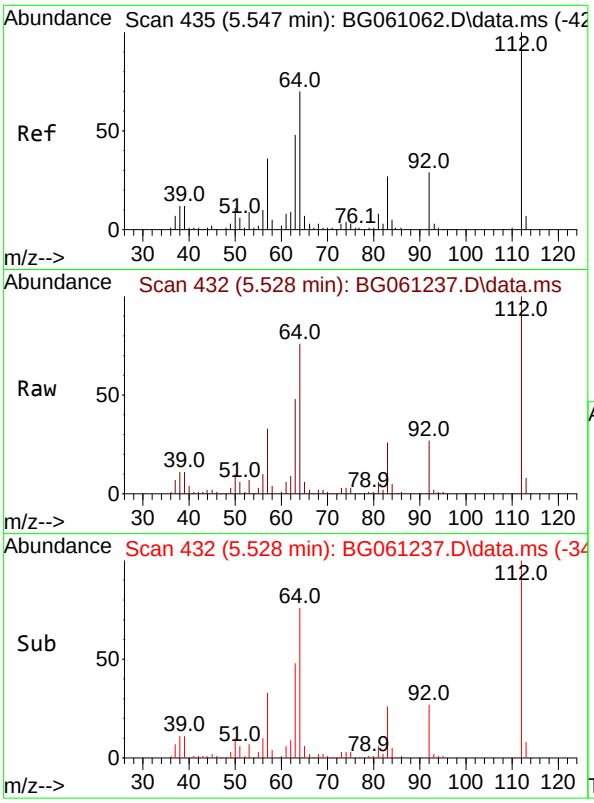


#2
1,4-Dioxane
Concen: 3.052 ng
RT: 3.154 min Scan# 28
Delta R.T. -0.313 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion: 88 Resp: 1695

Ion	Ratio	Lower	Upper
88	100		
58	73.1	81.2	121.8#
43	4560.2	45.0	67.4#



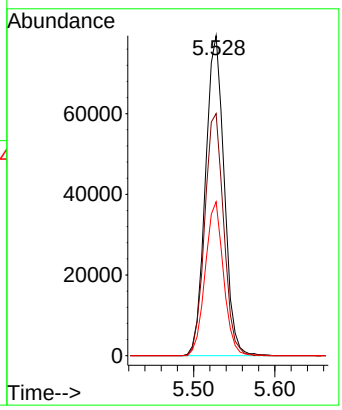


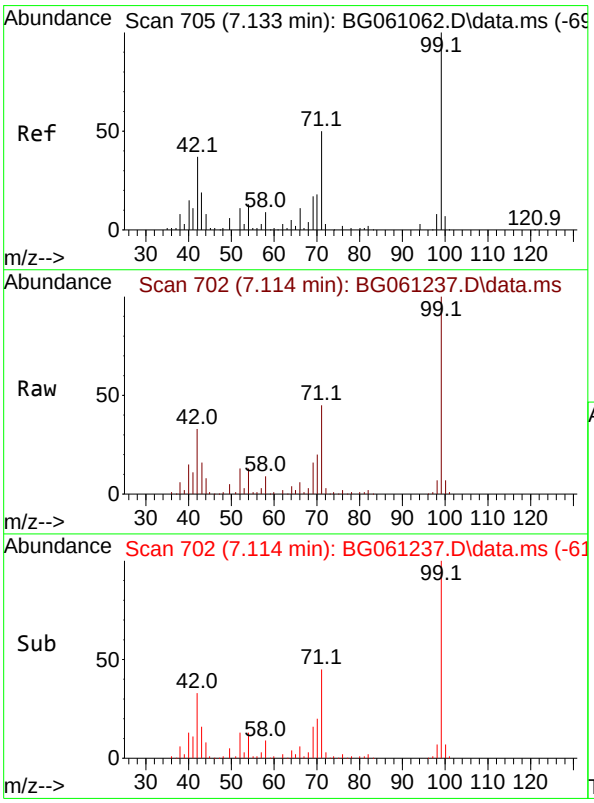
#5
2-Fluorophenol
Concen: 92.236 ng
RT: 5.528 min Scan# 4
Delta R.T. -0.019 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:112 Resp: 126675

Ion	Ratio	Lower	Upper
112	100		
64	75.6	55.7	83.5
63	48.1	38.1	57.1

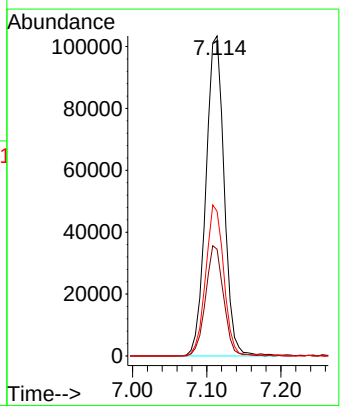


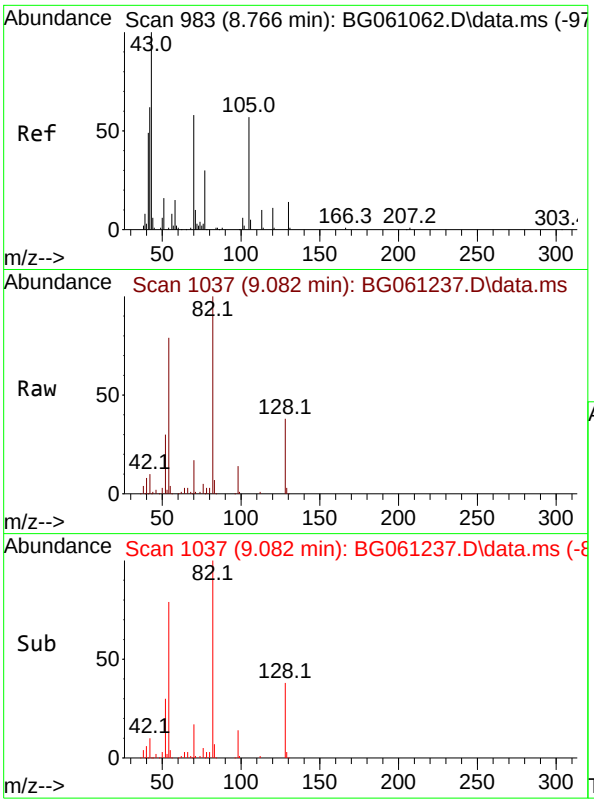


#7
Phenol-d6
Concen: 86.976 ng
RT: 7.114 min Scan# 702
Delta R.T. -0.019 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion: 99 Resp: 176706

Ion	Ratio	Lower	Upper
99	100		
42	33.4	29.2	43.8
71	45.2	39.7	59.5



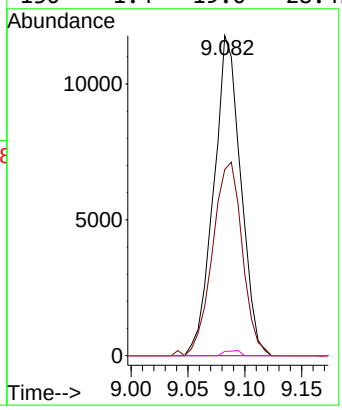


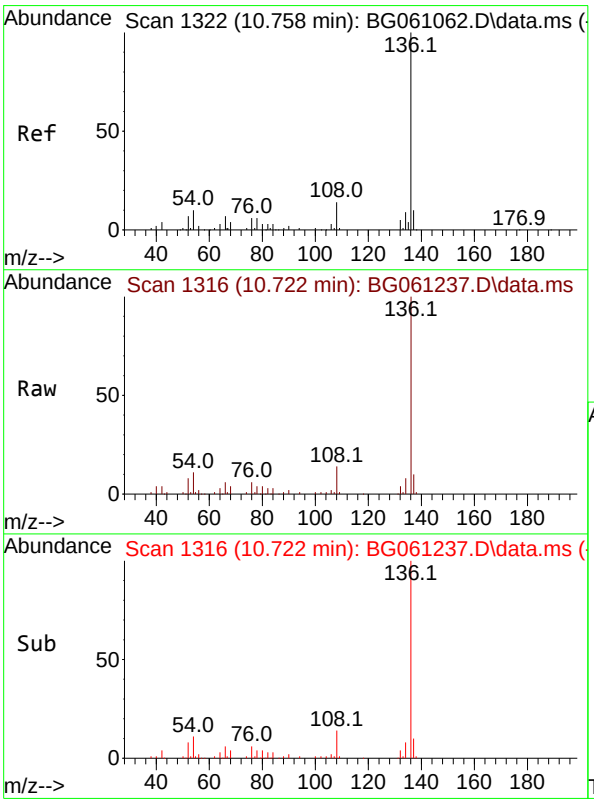
#19
n-Nitroso-di-n-propylamine
Concen: 12.804 ng
RT: 9.082 min Scan# 1
Delta R.T. 0.316 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion: 70 Resp: 19468

Ion	Ratio	Lower	Upper
70	100		
42	58.2	86.4	129.6#
101	0.0	7.8	11.8#
130	1.4	19.0	28.4#

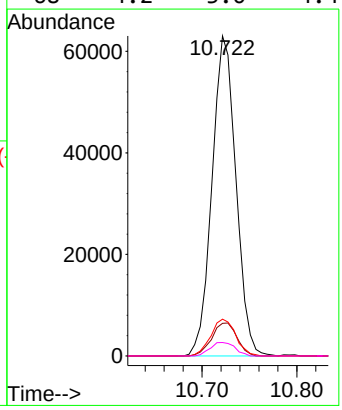


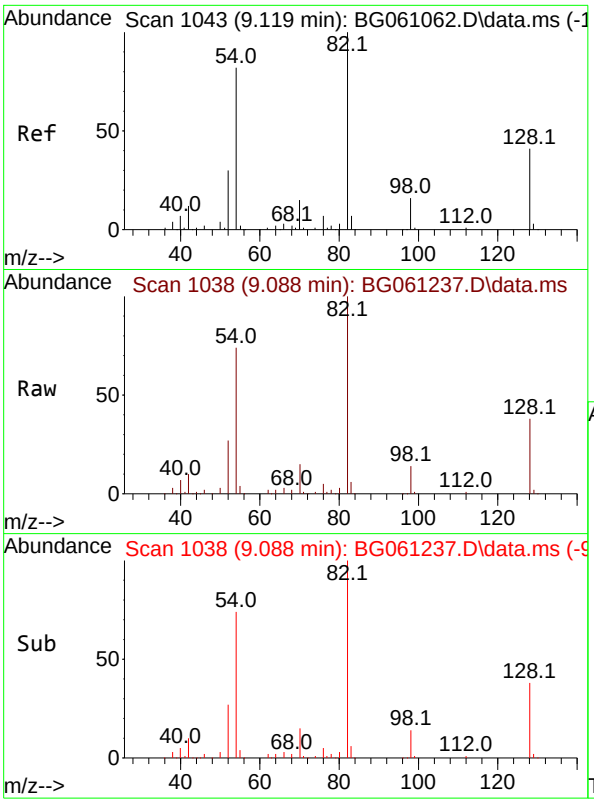


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1316
Delta R.T. -0.037 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:136 Resp: 110563

Ion	Ratio	Lower	Upper
136	100		
137	10.2	7.8	11.6
54	11.5	8.1	12.1
68	4.2	3.0	4.4



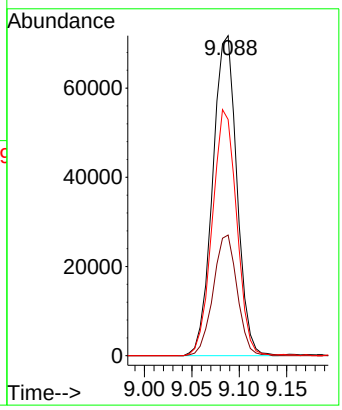


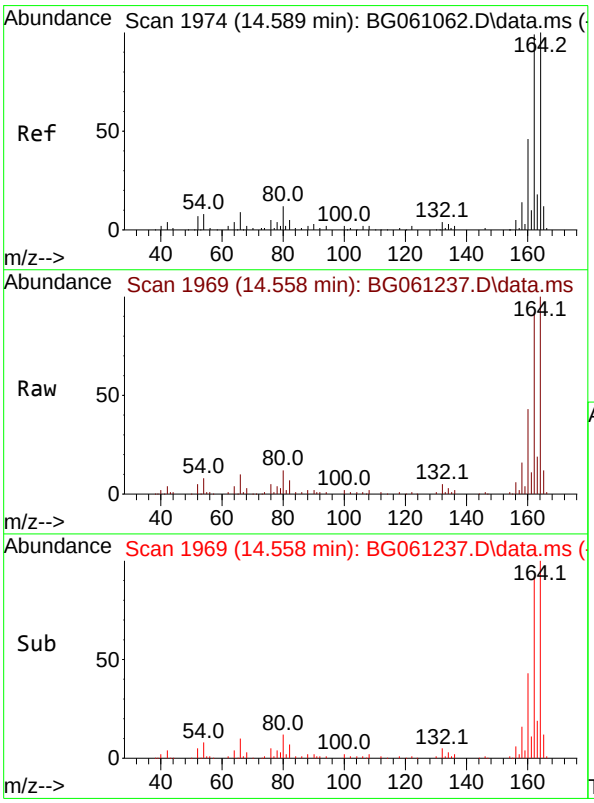
#23
Nitrobenzene-d5
Concen: 57.201 ng
RT: 9.088 min Scan# 1
Delta R.T. -0.031 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion: 82 Resp: 127577

Ion	Ratio	Lower	Upper
82	100		
128	37.7	32.7	49.1
54	73.8	65.6	98.4

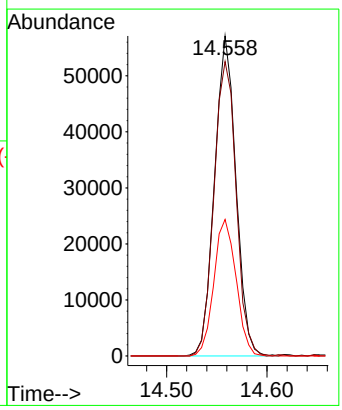


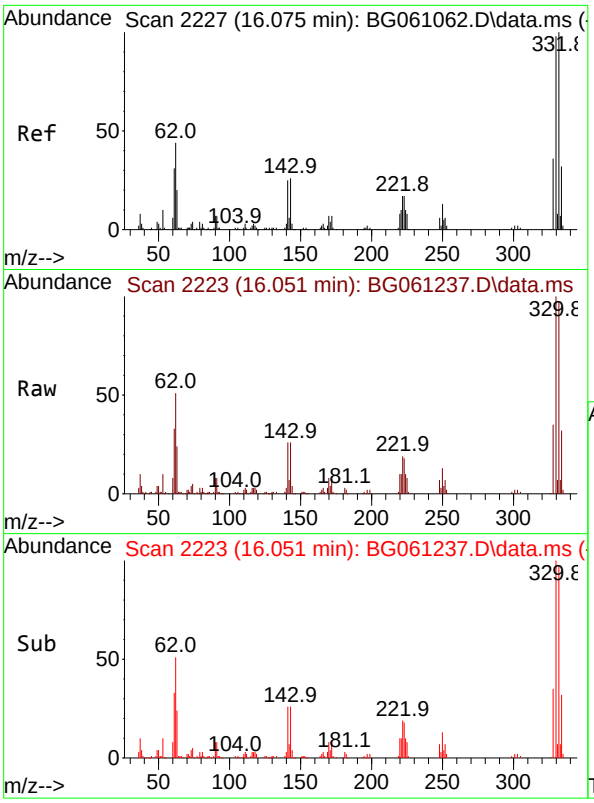


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.558 min Scan# 1969
Delta R.T. -0.031 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:164 Resp: 84549

Ion	Ratio	Lower	Upper
164	100		
162	92.0	79.4	119.2
160	42.7	37.0	55.6



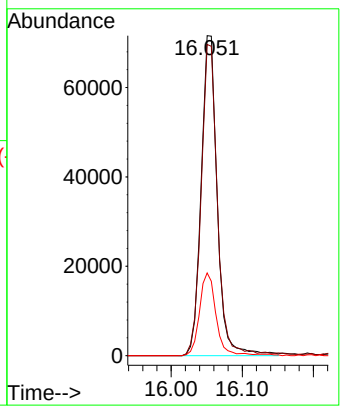


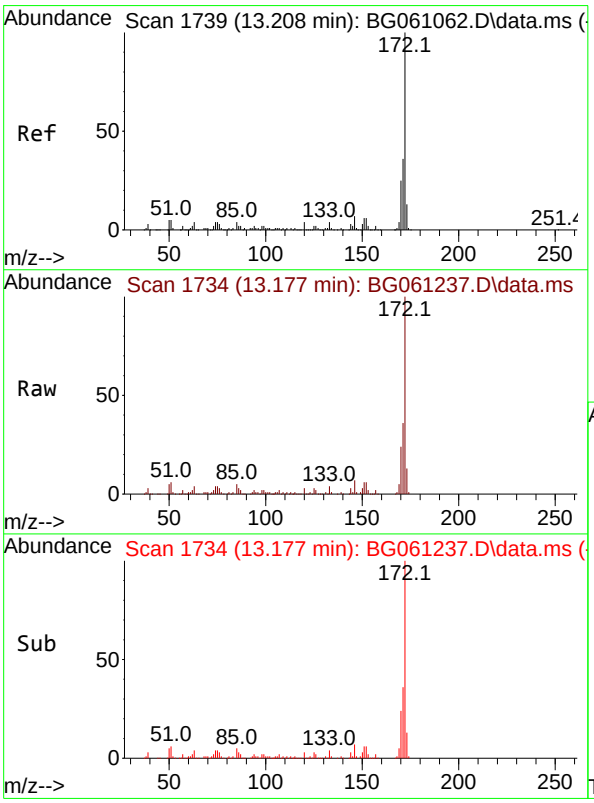
#42
2,4,6-Tribromophenol
Concen: 66.853 ng
RT: 16.051 min Scan# 2
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:330 Resp: 112980

Ion	Ratio	Lower	Upper
330	100		
332	98.9	78.6	117.8
141	26.3	20.5	30.7

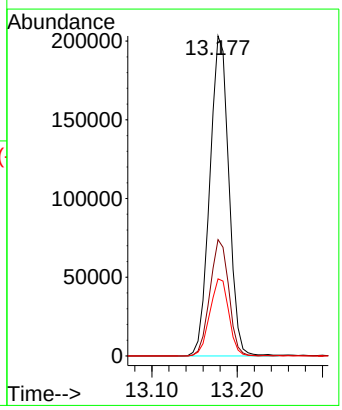


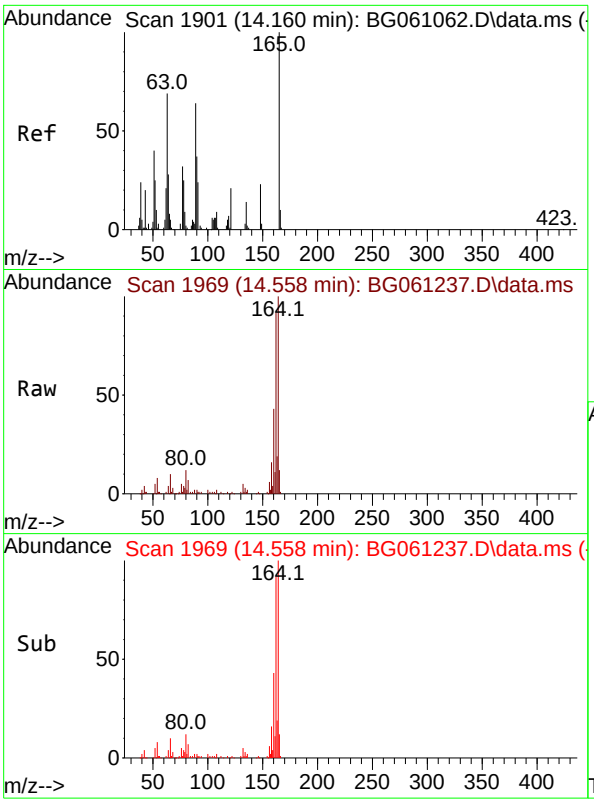


#45
2-Fluorobiphenyl
Concen: 55.151 ng
RT: 13.177 min Scan# 1734
Delta R.T. -0.031 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:172 Resp: 315337

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.1	20.2	30.4



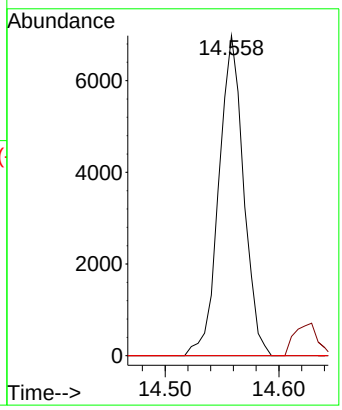


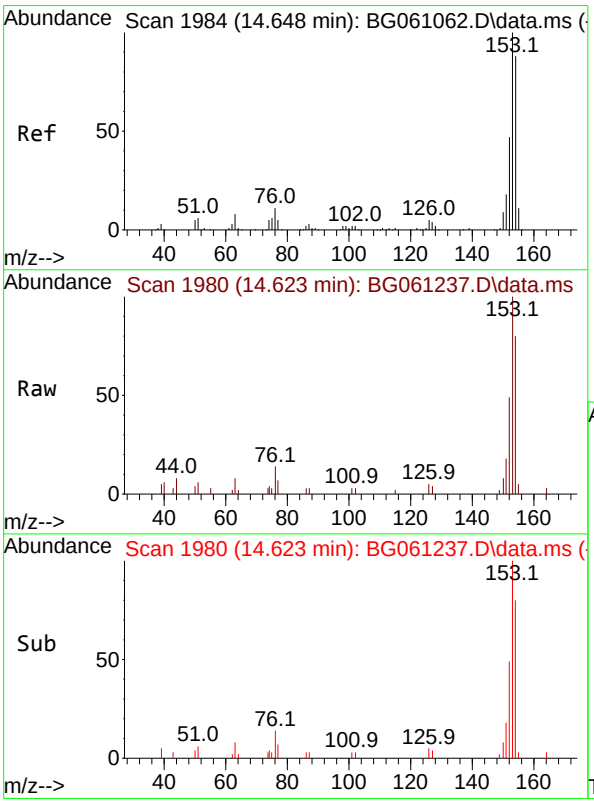
#51
2,6-Dinitrotoluene
Concen: 7.558 ng
RT: 14.558 min Scan# 1
Delta R.T. 0.398 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:165 Resp: 10558

Ion	Ratio	Lower	Upper
165	100		
63	0.0	60.0	90.0#
89	0.0	50.9	76.3#

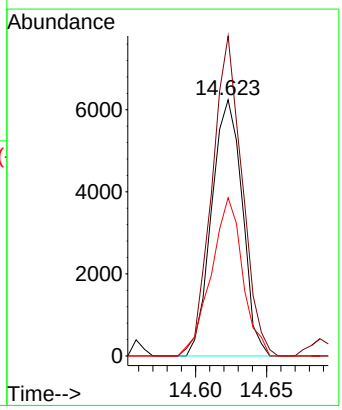


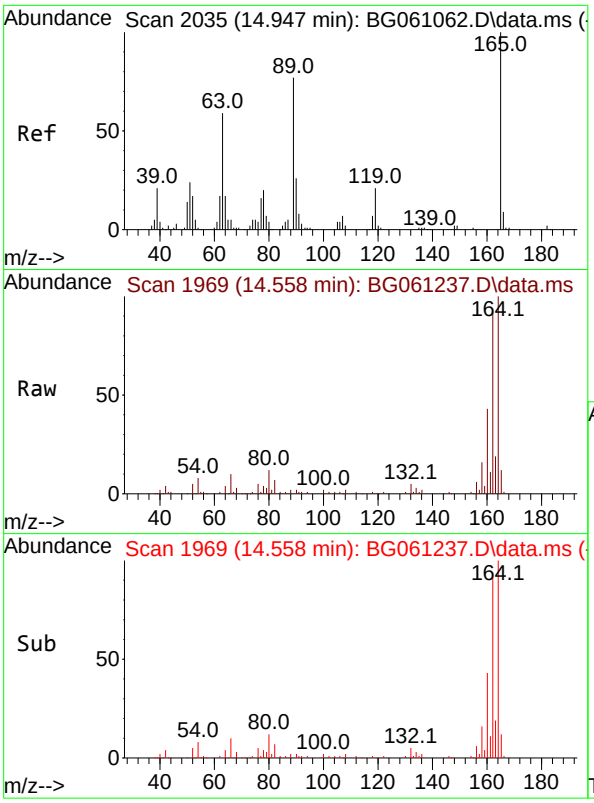


#52
Acenaphthene
Concen: 2.250 ng
RT: 14.623 min Scan# 1980
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:154 Resp: 9359

Ion	Ratio	Lower	Upper
154	100		
153	124.9	91.0	136.4
152	61.8	43.1	64.7



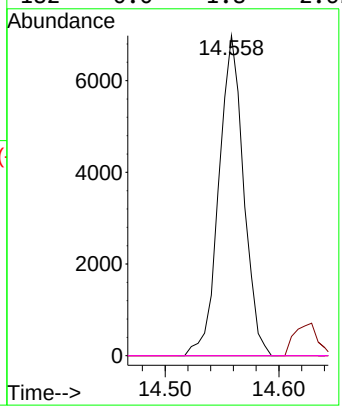


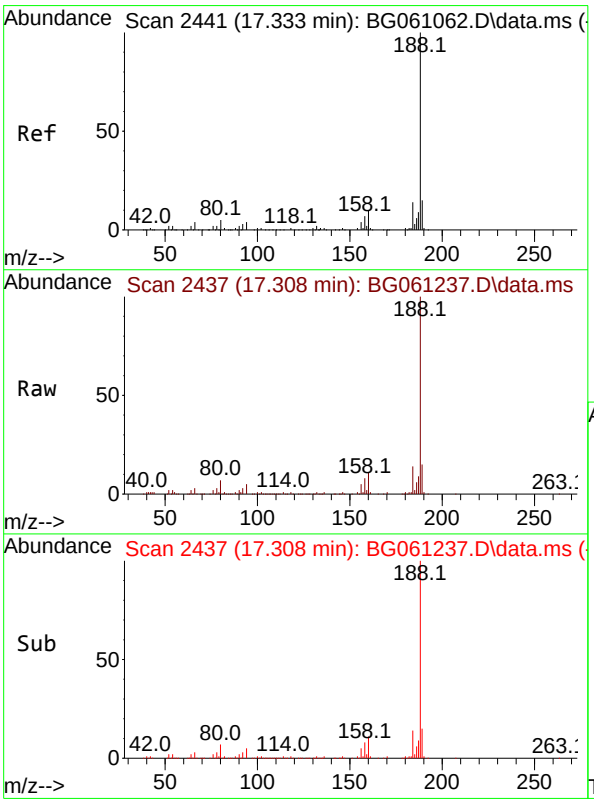
#57
2,4-Dinitrotoluene
Concen: 5.109 ng
RT: 14.558 min Scan# 1
Delta R.T. -0.389 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:165 Resp: 10558

Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.3	70.9#
89	0.0	61.8	92.8#
182	0.0	1.8	2.6#

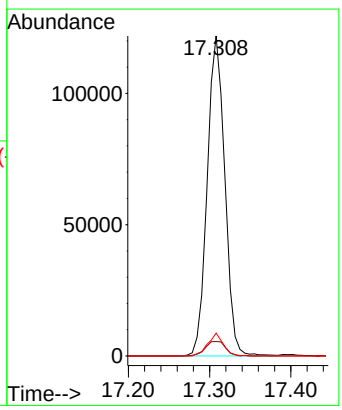


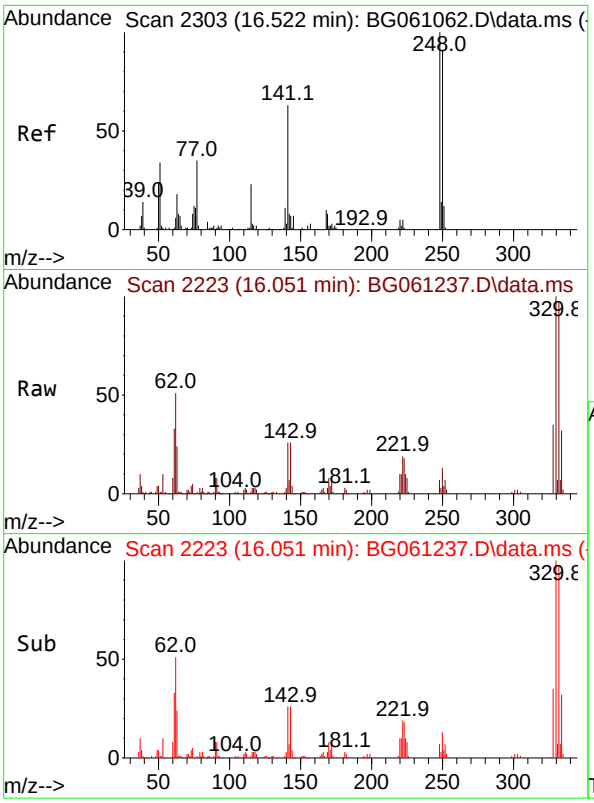


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.308 min Scan# 2437
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:188 Resp: 183195

Ion	Ratio	Lower	Upper
188	100		
94	4.5	3.6	5.4
80	7.1	4.2	6.2#



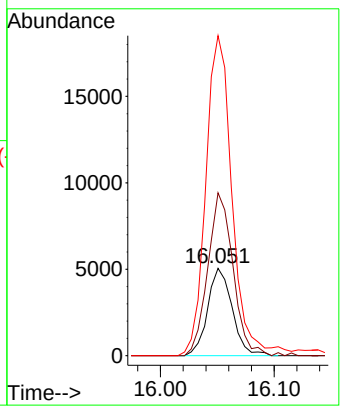


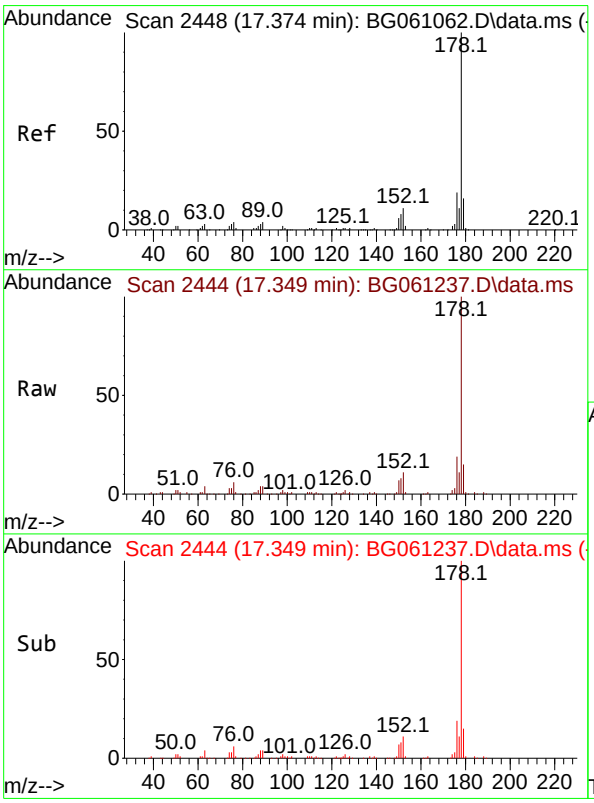
#67
4-Bromophenyl-phenylether
Concen: 3.515 ng
RT: 16.051 min Scan# 2
Delta R.T. -0.471 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:248 Resp: 7585

Ion	Ratio	Lower	Upper
248	100		
250	186.4	73.0	109.4#
141	366.1	50.8	76.2#

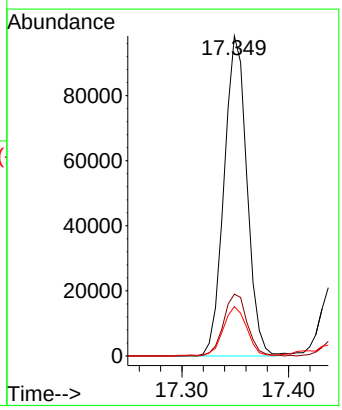


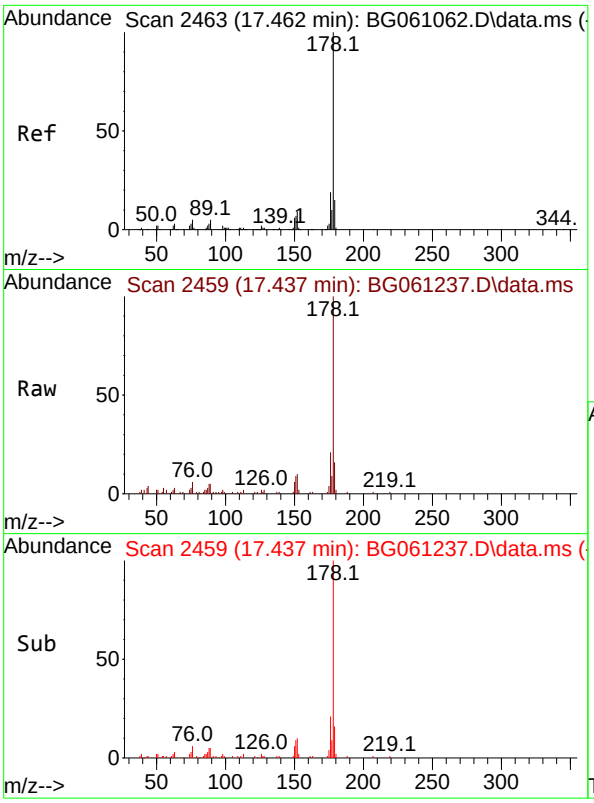


#71
Phenanthrene
Concen: 17.440 ng
RT: 17.349 min Scan# 2444
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:178 Resp: 146083

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.4	12.6	19.0



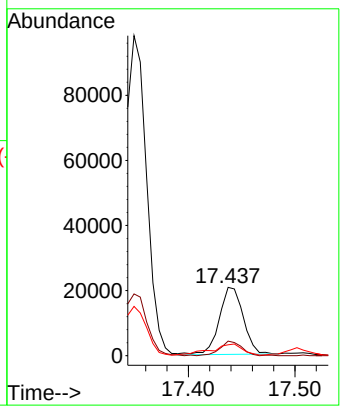


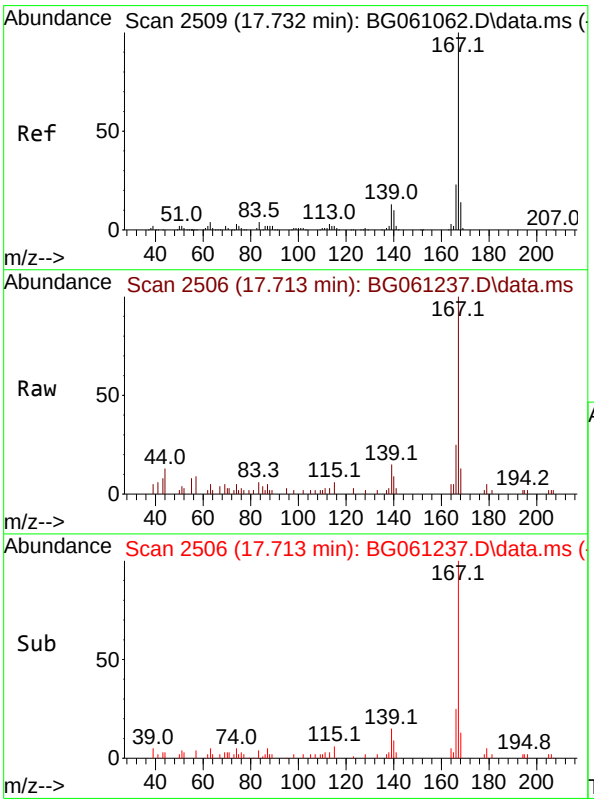
#72
Anthracene
Concen: 3.858 ng
RT: 17.437 min Scan# 24
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:178 Resp: 32250

Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.0	22.6
179	16.0	12.0	18.0

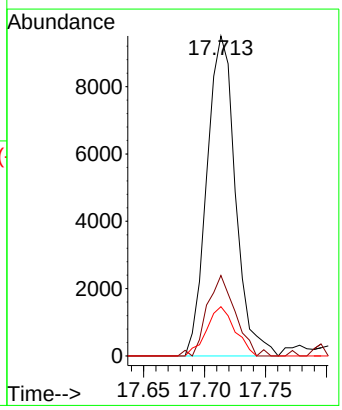


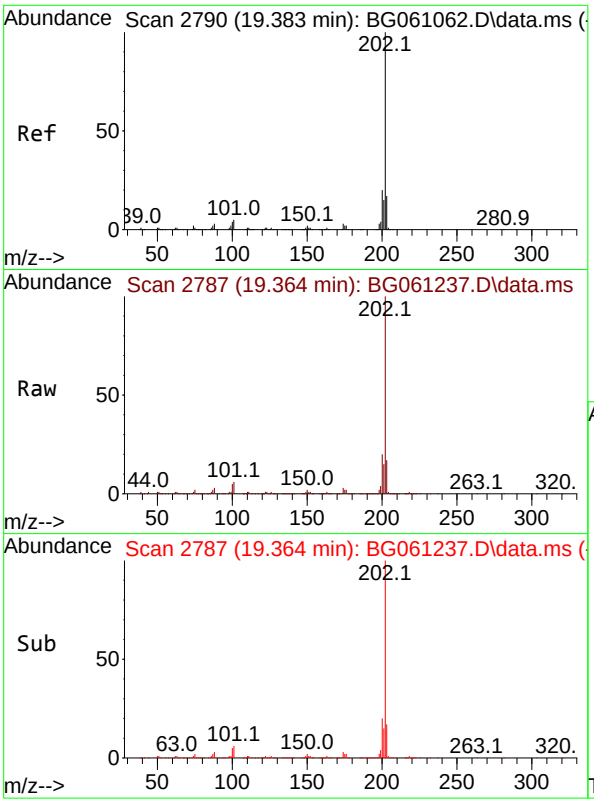


#73
Carbazole
Concen: 2.108 ng
RT: 17.713 min Scan# 2506
Delta R.T. -0.019 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:167 Resp: 15495

Ion	Ratio	Lower	Upper
167	100		
166	25.1	18.7	28.1
139	15.4	10.6	15.8



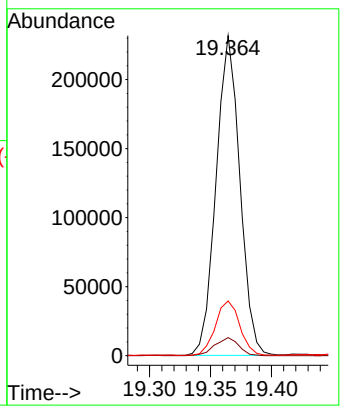


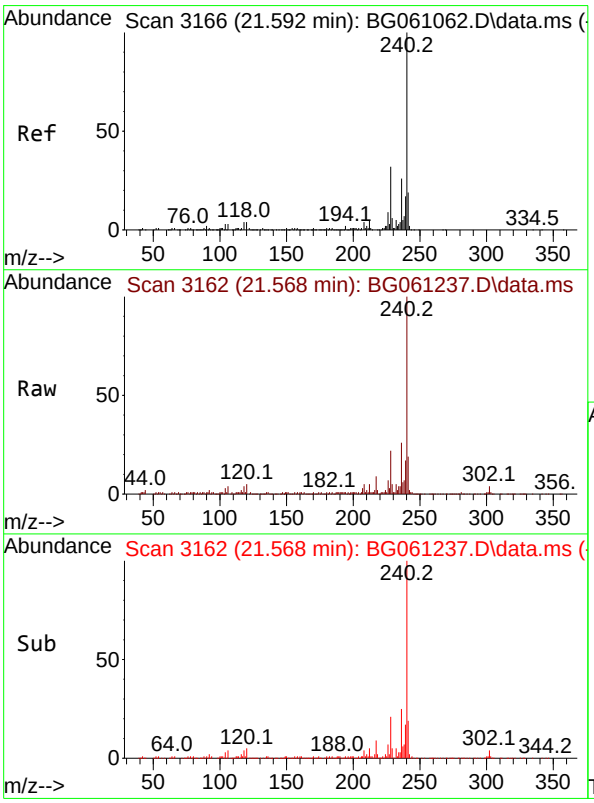
#75
Fluoranthene
Concen: 27.400 ng
RT: 19.364 min Scan# 2
Delta R.T. -0.019 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:202 Resp: 314433

Ion	Ratio	Lower	Upper
202	100		
101	5.7	0.0	24.7
203	17.1	0.0	37.1

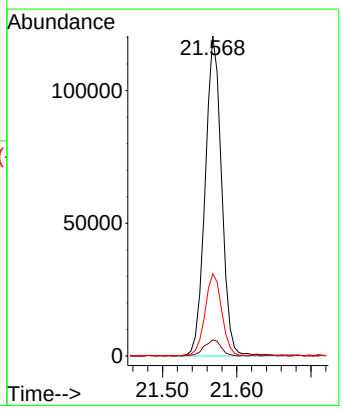


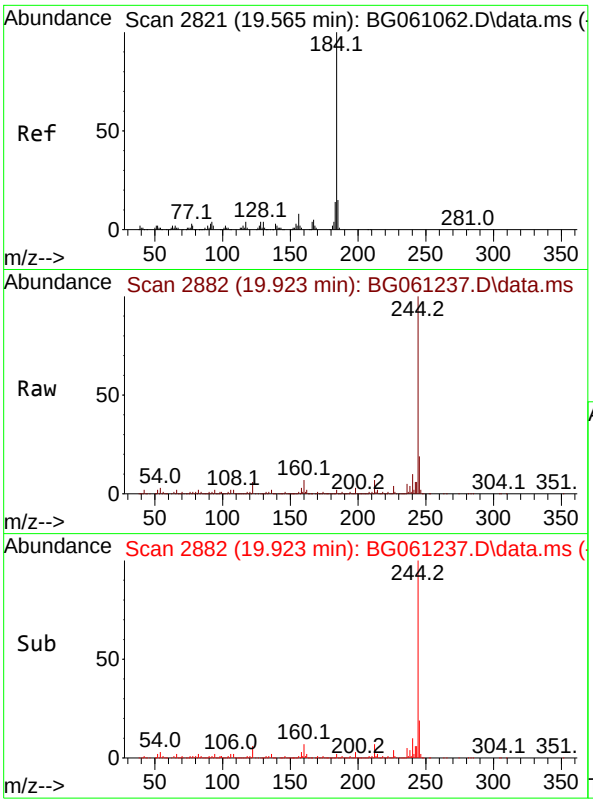


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3162
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:240 Resp: 185718

Ion	Ratio	Lower	Upper
240	100		
120	5.1	3.2	4.8#
236	25.6	21.0	31.6



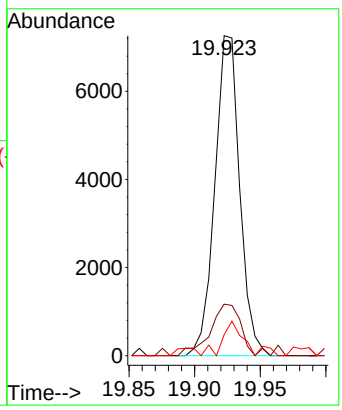


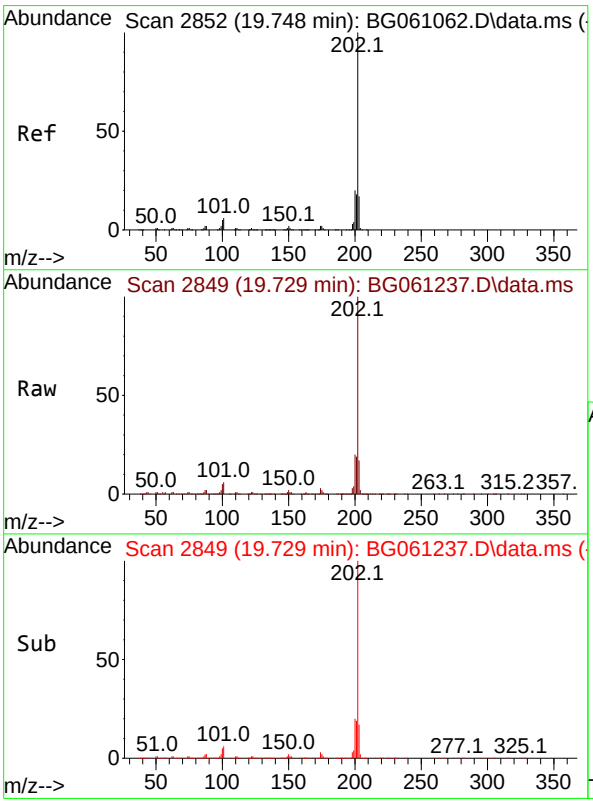
#77
Benzidine
Concen: 5.345 ng
RT: 19.923 min Scan# 2
Delta R.T. 0.358 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:184 Resp: 9569

Ion	Ratio	Lower	Upper
184	100		
185	16.1	12.0	18.0
183	6.6	10.9	16.3#

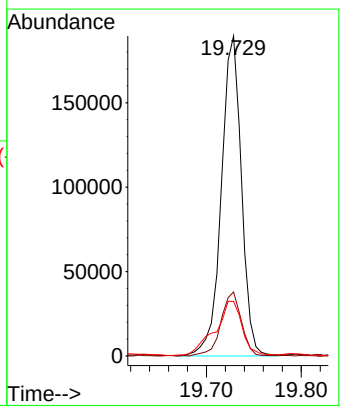


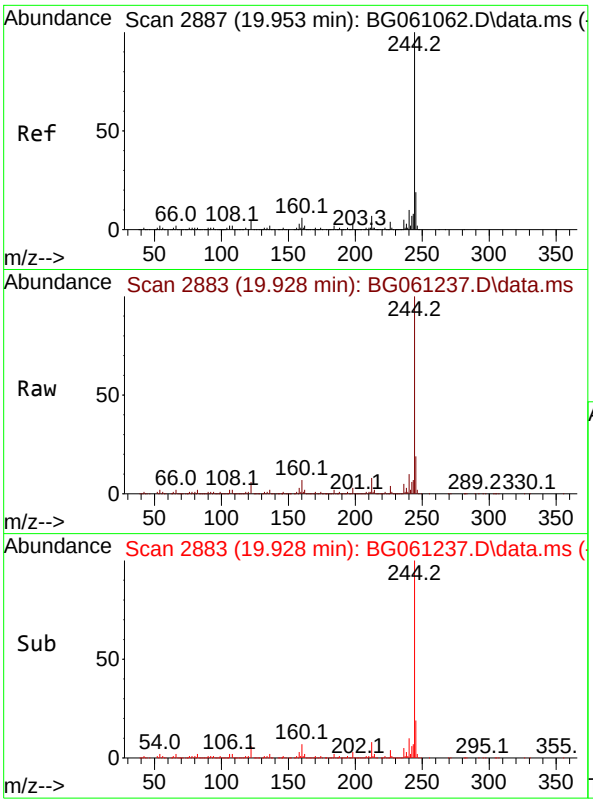


#78
Pyrene
Concen: 23.705 ng
RT: 19.729 min Scan# 2849
Delta R.T. -0.019 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:202 Resp: 279890

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.4
203	17.1	13.3	19.9



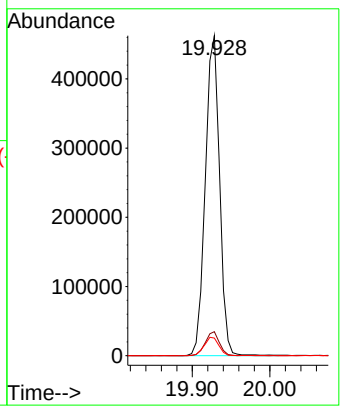


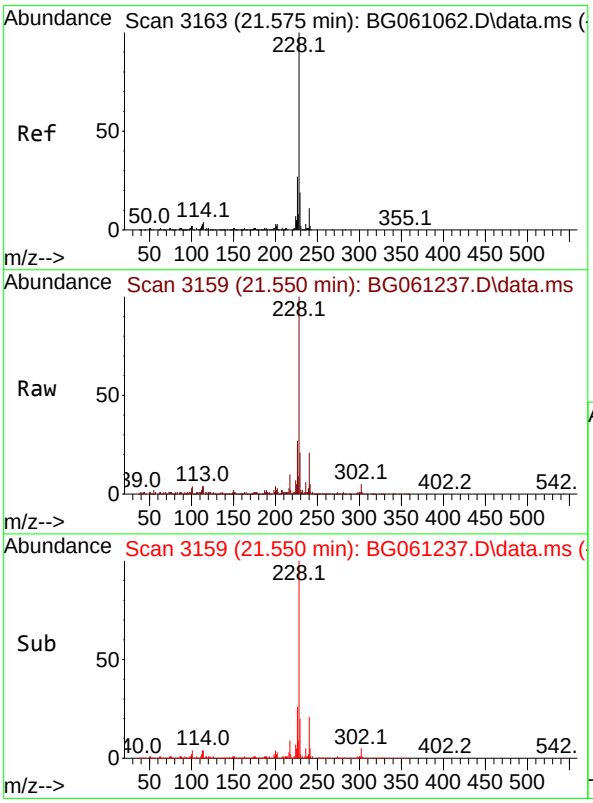
#79
Terphenyl-d14
Concen: 52.823 ng
RT: 19.928 min Scan# 2
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:244 Resp: 589864

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	5.5	4.2	6.2

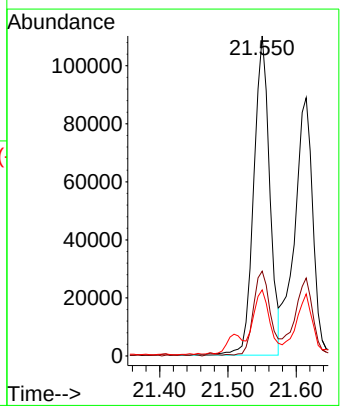


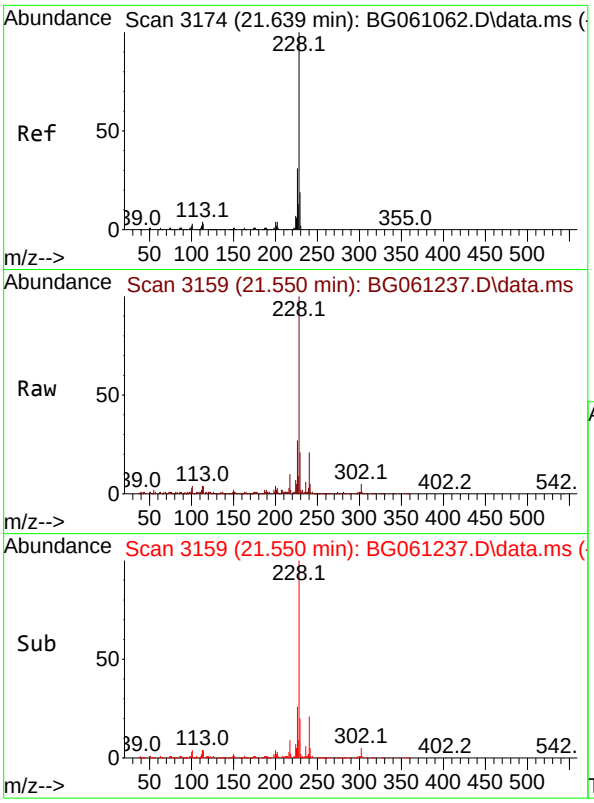


#81
Benzo(a)anthracene
Concen: 14.648 ng
RT: 21.550 min Scan# 3159
Delta R.T. -0.025 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:228 Resp: 178016

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.6	32.4
229	20.6	15.0	22.4



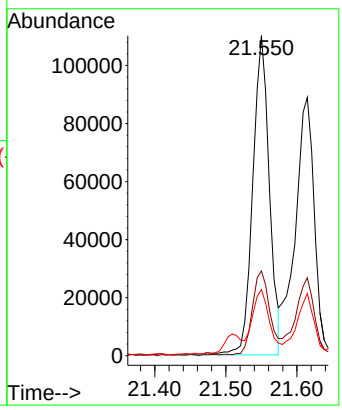


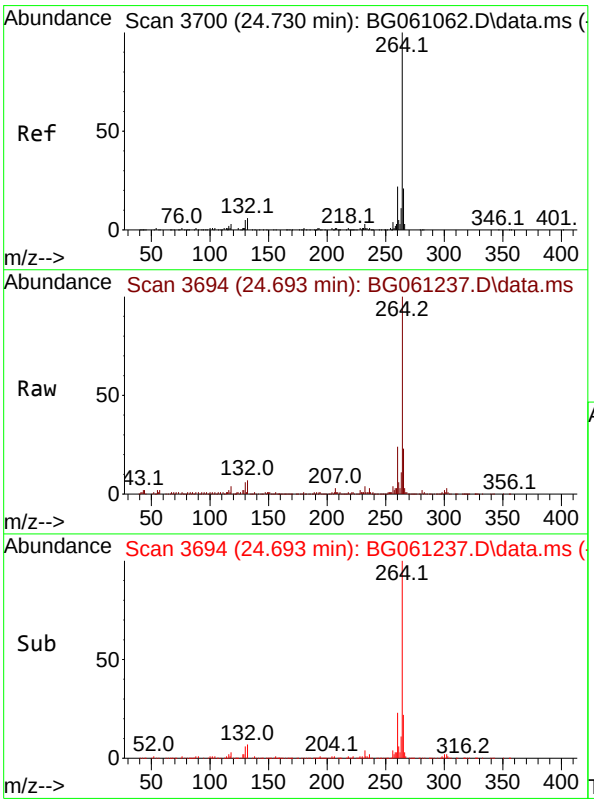
#83
Chrysene
Concen: 15.630 ng
RT: 21.550 min Scan# 3
Delta R.T. -0.089 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:228 Resp: 177965

Ion	Ratio	Lower	Upper
228	100		
226	26.5	24.4	36.6
229	20.6	14.8	22.2

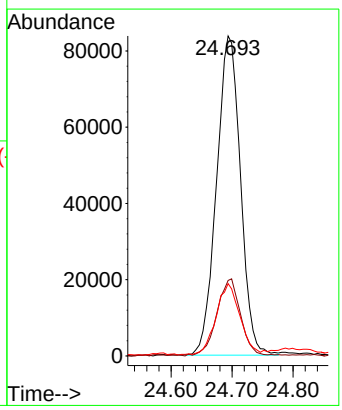


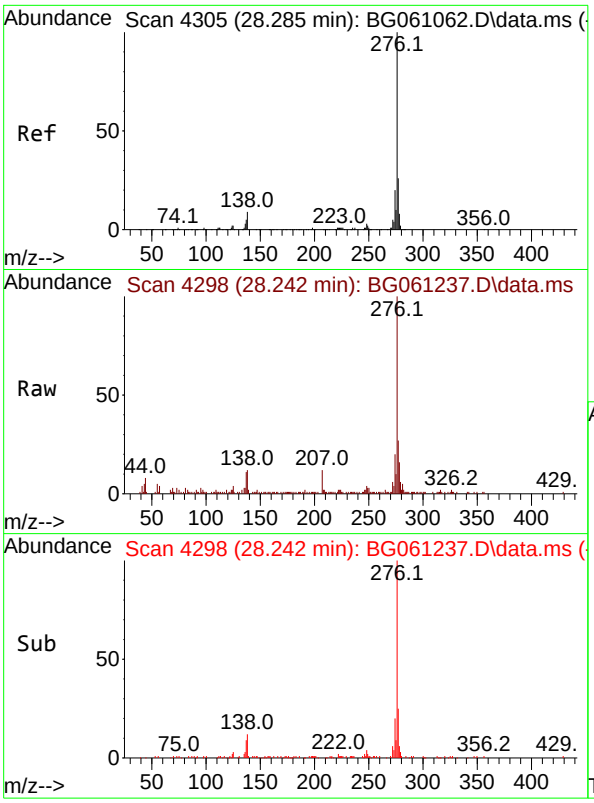


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.693 min Scan# 3694
Delta R.T. -0.037 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:264 Resp: 228697

Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.7	26.5
265	22.6	16.4	24.6



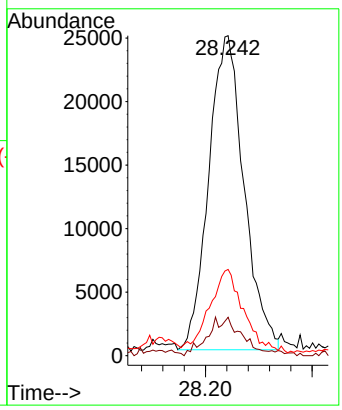


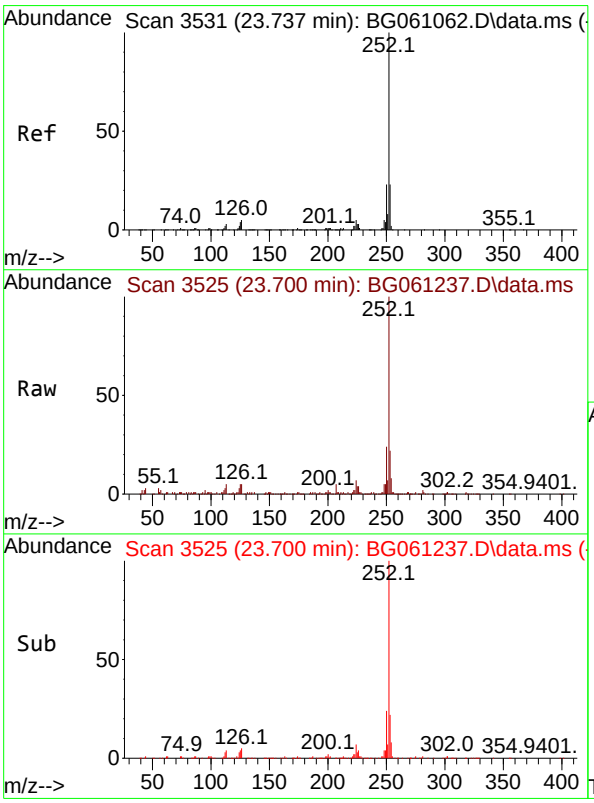
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.492 ng
RT: 28.242 min Scan# 4
Delta R.T. -0.042 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:276 Resp: 113548

Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.1	7.7#
277	26.1	20.6	30.8

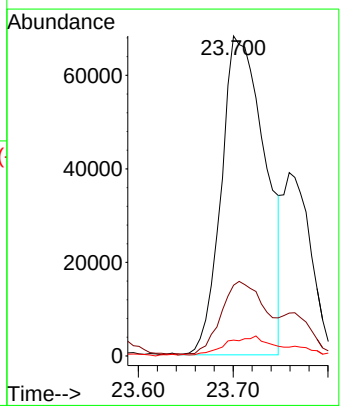


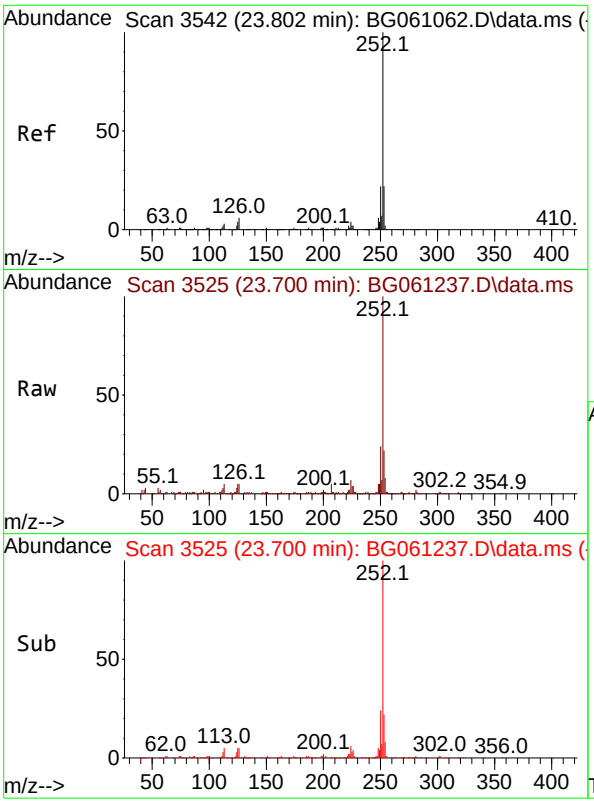


#88
Benzo(b)fluoranthene
Concen: 17.119 ng
RT: 23.700 min Scan# 3525
Delta R.T. -0.037 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:252 Resp: 218773

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	4.9	3.4	5.0



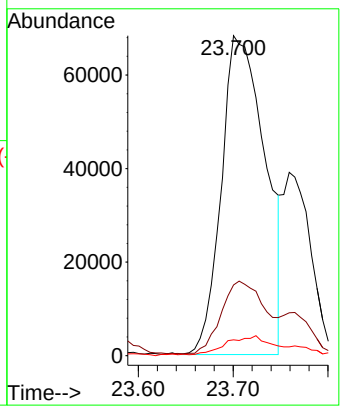


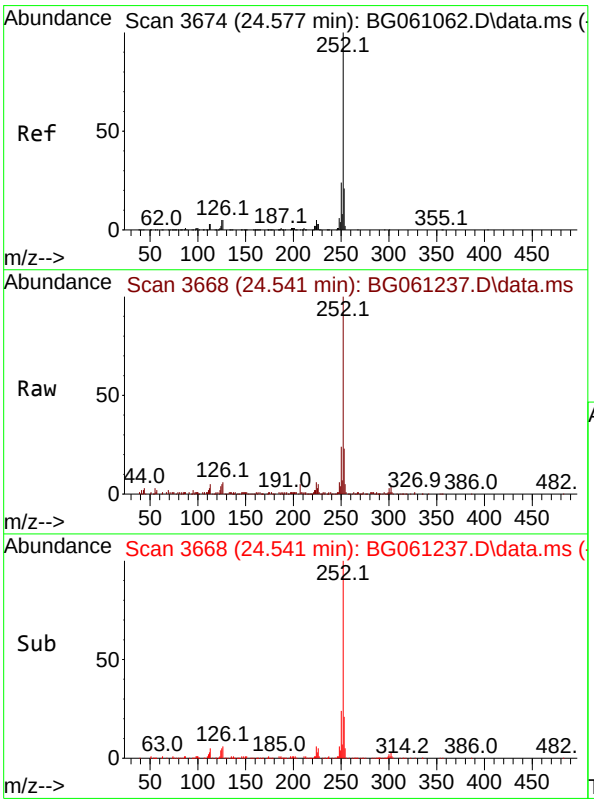
#89
Benzo(k)fluoranthene
Concen: 17.794 ng
RT: 23.700 min Scan# 3
Delta R.T. -0.101 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:252 Resp: 218773

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	4.9	3.2	4.8#

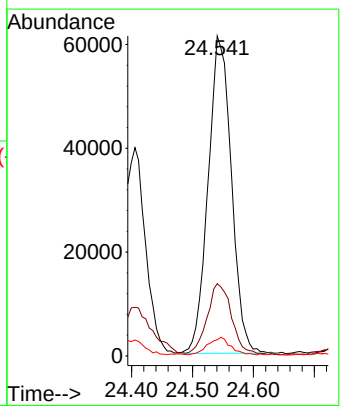


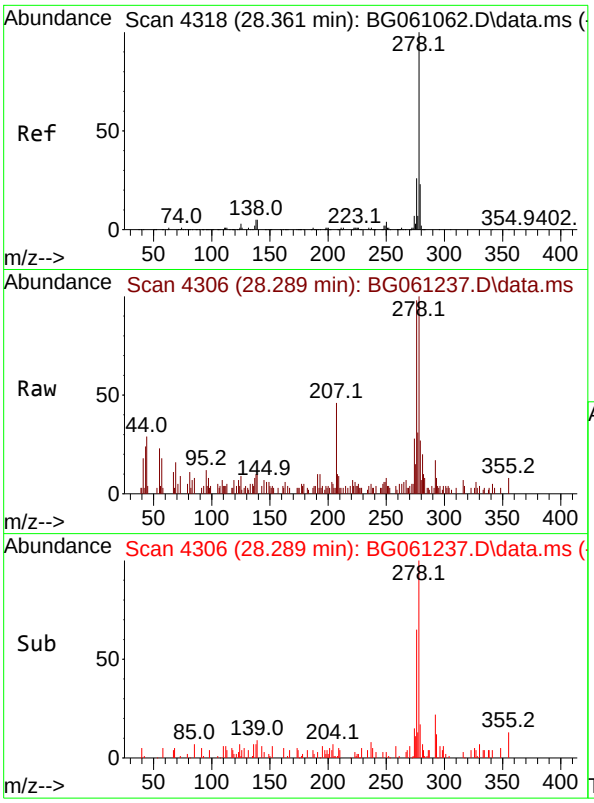


#90
Benzo(a)pyrene
Concen: 14.549 ng
RT: 24.541 min Scan# 3668
Delta R.T. -0.037 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:252 Resp: 161984

Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.9	25.3
125	5.1	3.8	5.8



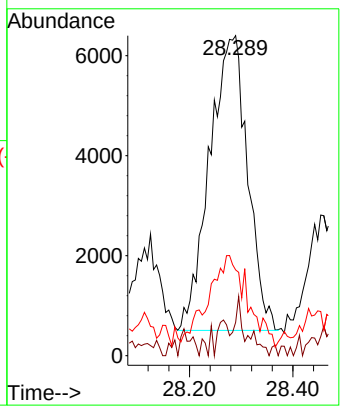


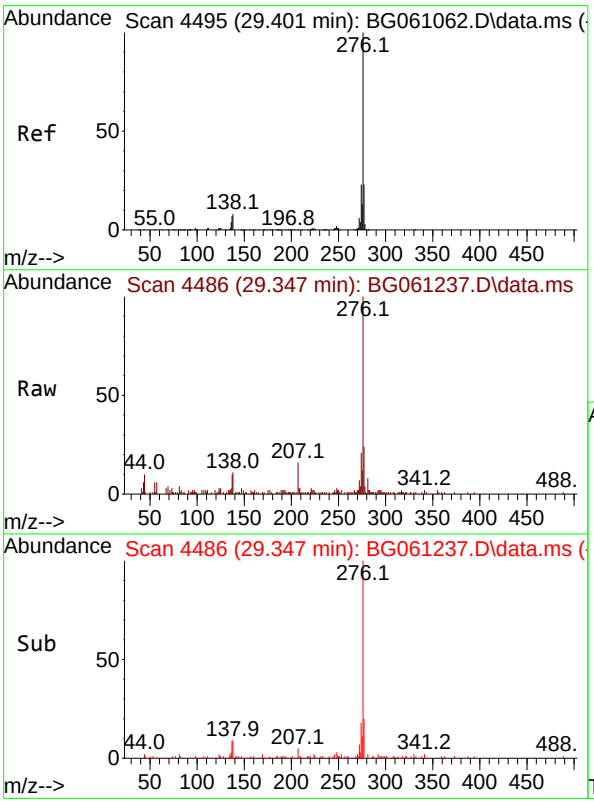
#91
Dibenzo(a,h)anthracene
Concen: 2.392 ng
RT: 28.289 min Scan# 4
Delta R.T. -0.072 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Instrument :
BNA_G
ClientSampleId :
P-01-229

Tgt Ion:278 Resp: 30028

Ion	Ratio	Lower	Upper
278	100		
139	10.4	4.2	6.2#
279	26.8	18.0	27.0





#92
Benzo(g,h,i)perylene
Concen: 8.741 ng
RT: 29.347 min Scan# 4486
Delta R.T. -0.054 min
Lab File: BG061237.D
Acq: 17 May 2024 13:48

Tgt Ion:276 Resp: 109023

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.2	27.4
138	10.7	6.2	9.2#