Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Quant Time: May 14 17:58:42 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	7.929	152	29237	20.000	ng		-0.03
21) Naphthalene-d8	10.720	136	107162	20.000	ng		-0.04
39) Acenaphthene-d10	14.557	164	81471	20.000	ng		-0.03
64) Phenanthrene-d10	17.306	188	189846	20.000	ng		-0.03
76) Chrysene-d12	21.566	240	189033	20.000	ng		-0.03
86) Perylene-d12	24.692	264	230282	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.520	112	144850	100.758	ng		-0.03
7) Phenol-d6	7.106	99	194408	91.414	ng		-0.03
23) Nitrobenzene-d5	9.086	82	123605	57.179	ng		-0.03
42) 2,4,6-Tribromophenol	16.049	330	134280	82.458	ng		-0.03
45) 2-Fluorobiphenyl	13.176	172	331311	60.134	ng		-0.03
79) Terphenyl-d14	19.927	244	639996	56.308	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	3.146	88	1440	2.477	ng	#	1
9) Benzaldehyde	7.101	77	369	Below Cal		#	3
19) n-Nitroso-di-n-propyla...	9.081	70	19319	12.139	ng	#	61
51) 2,6-Dinitrotoluene	14.557	165	11184	8.309	ng	#	19
54) 2,4-Dinitrophenol	14.809	184	66	2.275	ng	#	11
56) 4-Nitrophenol	14.950	139	2527	2.539	ng	#	1
57) 2,4-Dinitrotoluene	14.557	165	11184	5.616	ng	#	20
58) Fluorene	15.608	166	13713	2.341	ng		91
67) 4-Bromophenyl-phenylether	16.049	248	8014	3.583	ng	#	1
71) Phenanthrene	17.347	178	217421	25.047	ng		98
72) Anthracene	17.435	178	60662	7.003	ng		99
75) Fluoranthene	19.363	202	471652	39.661	ng		99
77) Benzidine	19.927	184	10264	5.483	ng		94
78) Pyrene	19.721	202	407893	33.940	ng		97
81) Benzo(a)anthracene	21.542	228	225032	18.192	ng		97
83) Chrysene	21.607	228	208373	17.980	ng		96
87) Indeno(1,2,3-cd)pyrene	28.235	276	108537	7.112	ng	#	98
88) Benzo(b)fluoranthene	23.705	252	230539	17.915	ng	#	97
89) Benzo(k)fluoranthene	23.705	252	230539	18.622	ng	#	95
90) Benzo(a)pyrene	24.539	252	181308	16.172	ng		100
91) Dibenzo(a,h)anthracene	28.264	278	26766	2.118	ng	#	76
92) Benzo(g,h,i)perylene	29.333	276	106038	8.443	ng	#	93

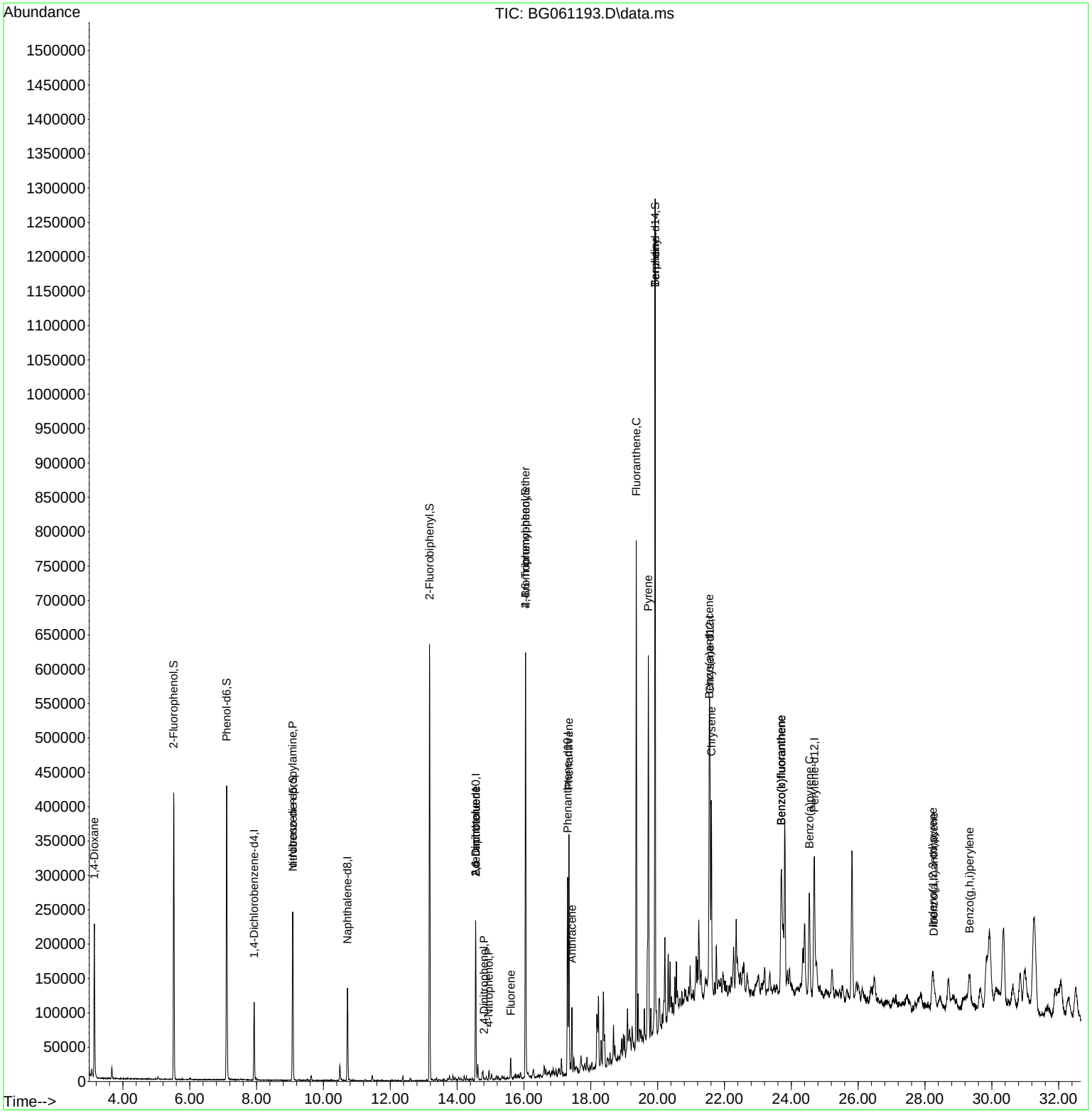
(#) = qualifier out of range (m) = manual integration (+) = signals summed

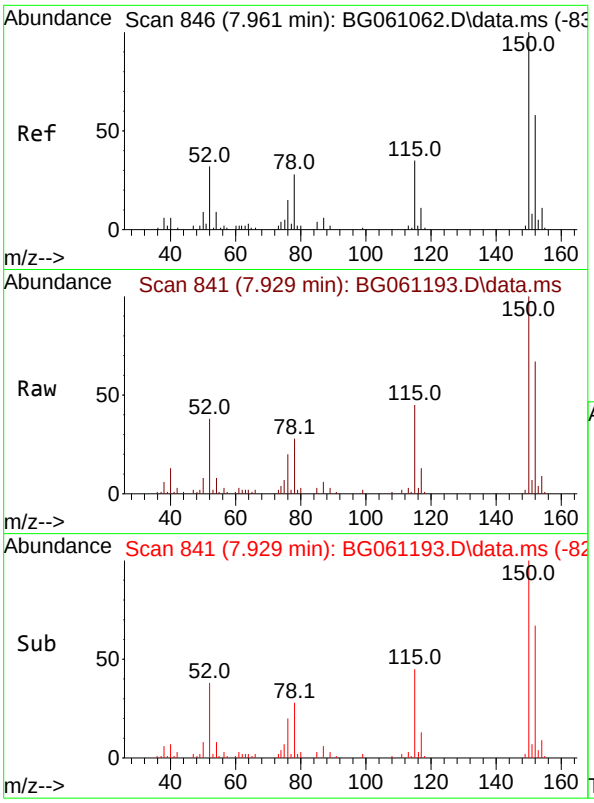
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Quant Time: May 14 17:58:42 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



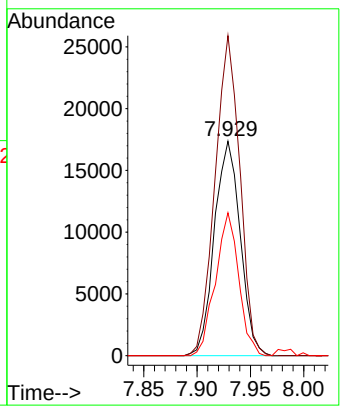


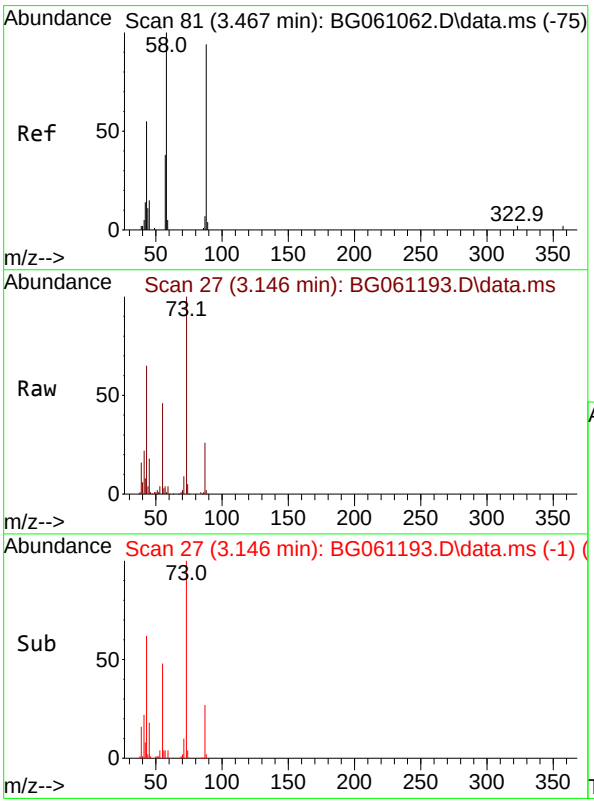
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 84
Delta R.T. -0.032 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:152 Resp: 29237

Ion	Ratio	Lower	Upper
152	100		
150	149.3	138.3	207.5
115	66.7	48.0	72.0

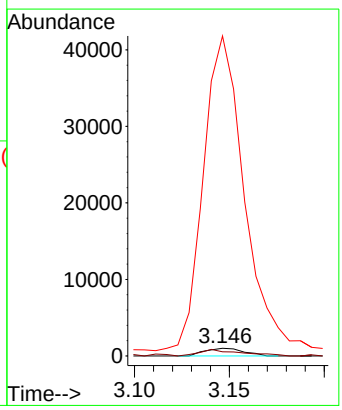


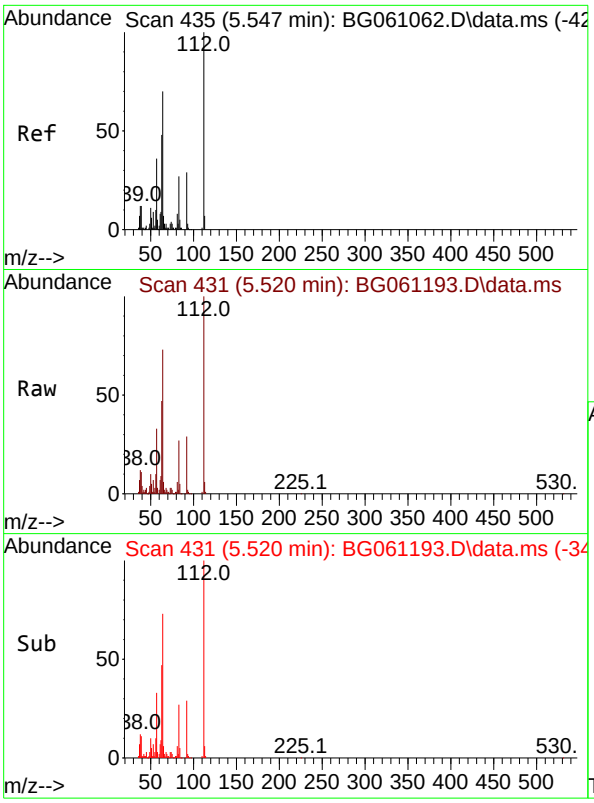


#2
1,4-Dioxane
Concen: 2.477 ng
RT: 3.146 min Scan# 27
Delta R.T. -0.320 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion: 88 Resp: 1440

Ion	Ratio	Lower	Upper
88	100		
58	89.9	81.2	121.8
43	4390.3	45.0	67.4#



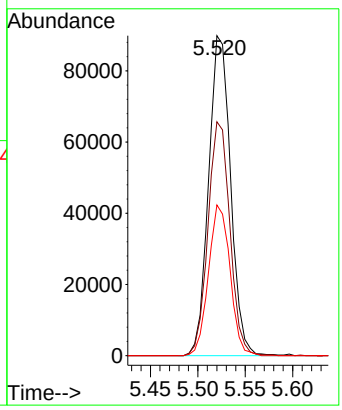


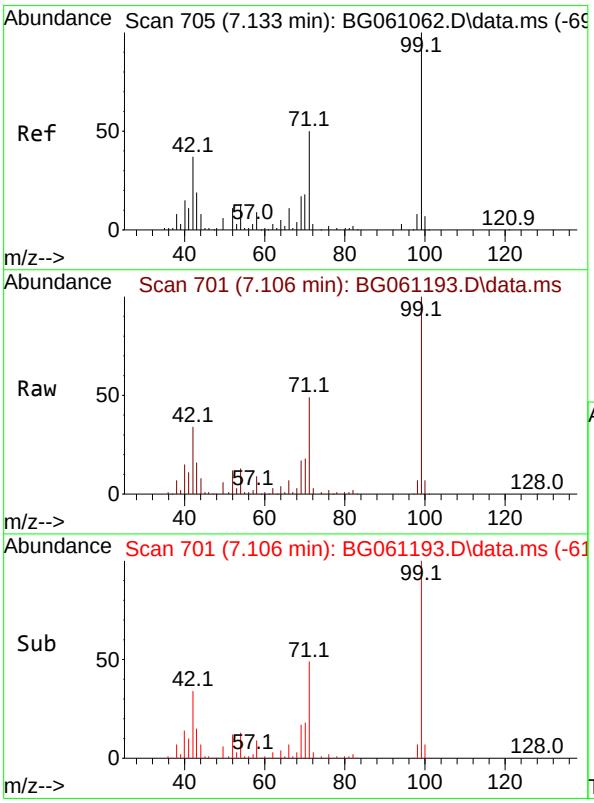
#5
2-Fluorophenol
Concen: 100.758 ng
RT: 5.520 min Scan# 4
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:112 Resp: 144850

Ion	Ratio	Lower	Upper
112	100		
64	73.1	55.7	83.5
63	47.1	38.1	57.1

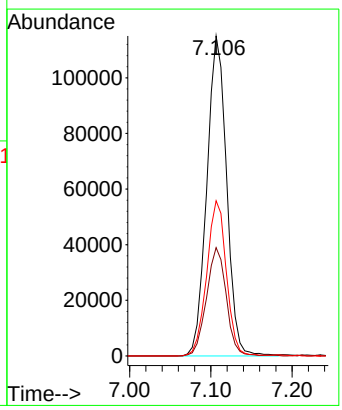


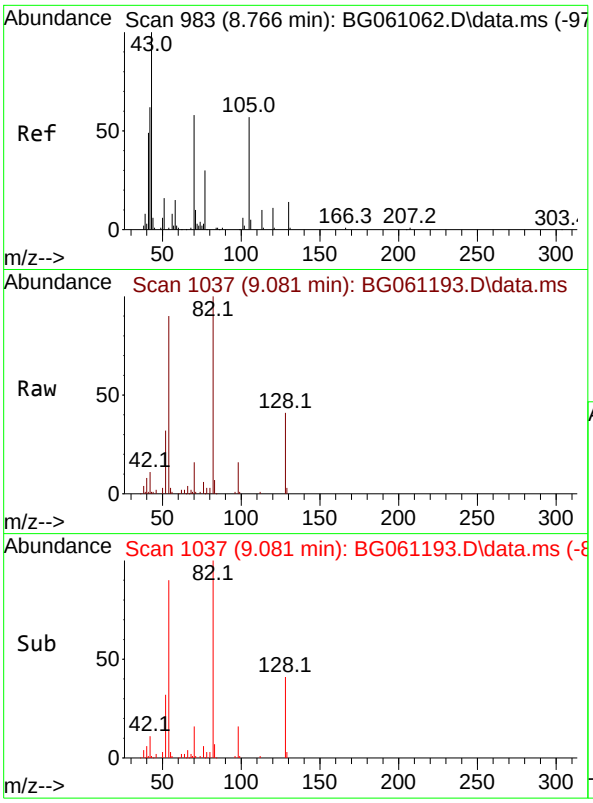


#7
Phenol-d6
Concen: 91.414 ng
RT: 7.106 min Scan# 701
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion: 99 Resp: 194408

Ion	Ratio	Lower	Upper
99	100		
42	33.9	29.2	43.8
71	48.5	39.7	59.5



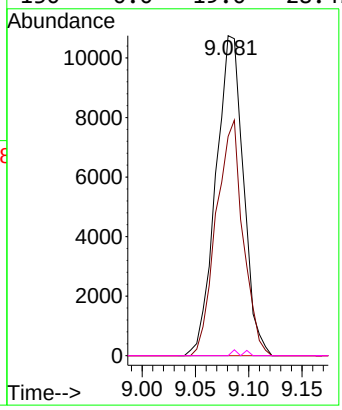


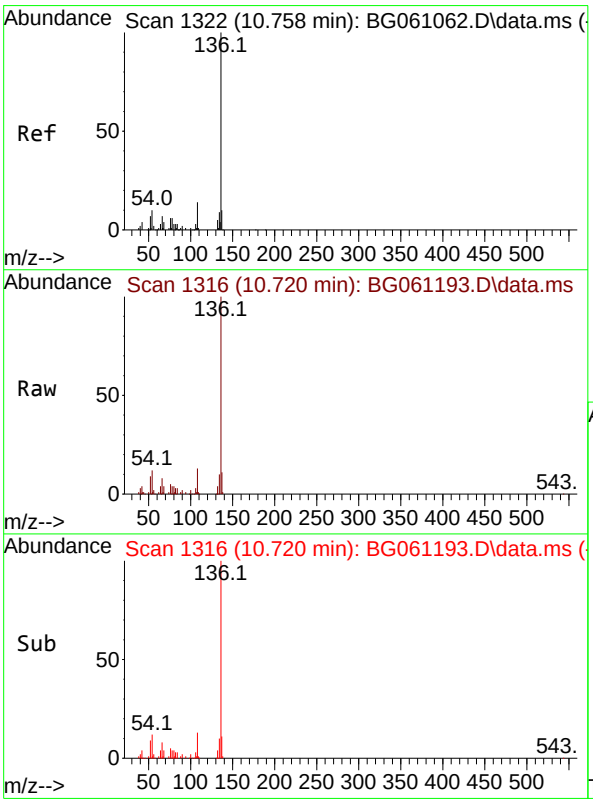
#19
n-Nitroso-di-n-propylamine
Concen: 12.139 ng
RT: 9.081 min Scan# 1
Delta R.T. 0.314 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion: 70 Resp: 19319

Ion	Ratio	Lower	Upper
70	100		
42	68.5	86.4	129.6#
101	0.0	7.8	11.8#
130	0.0	19.0	28.4#

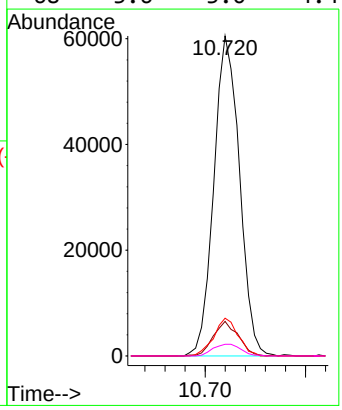


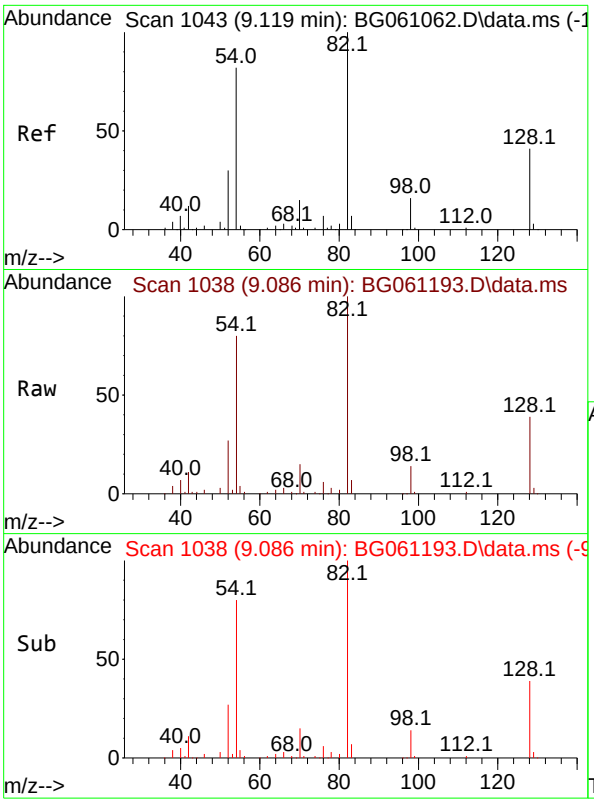


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.720 min Scan# 1316
Delta R.T. -0.038 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:136 Resp: 107162

Ion	Ratio	Lower	Upper
136	100		
137	10.8	7.8	11.6
54	11.8	8.1	12.1
68	3.6	3.0	4.4



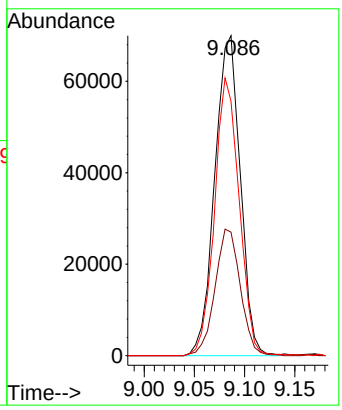


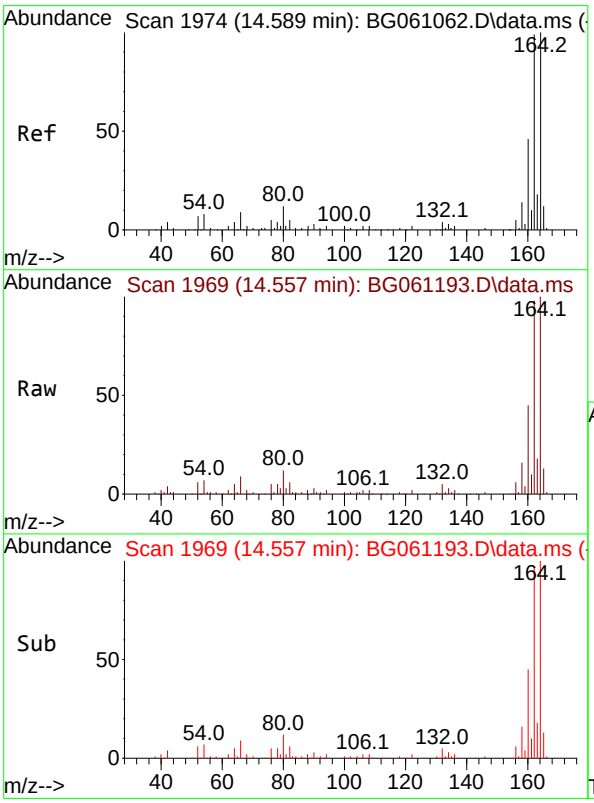
#23
Nitrobenzene-d5
Concen: 57.179 ng
RT: 9.086 min Scan# 1
Delta R.T. -0.032 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion: 82 Resp: 123605

Ion	Ratio	Lower	Upper
82	100		
128	38.6	32.7	49.1
54	79.5	65.6	98.4

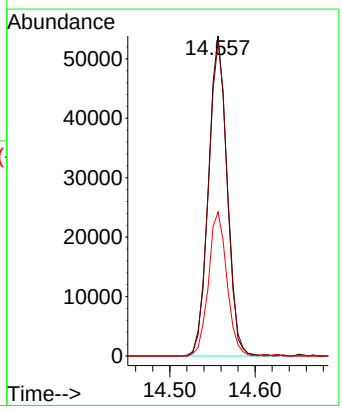


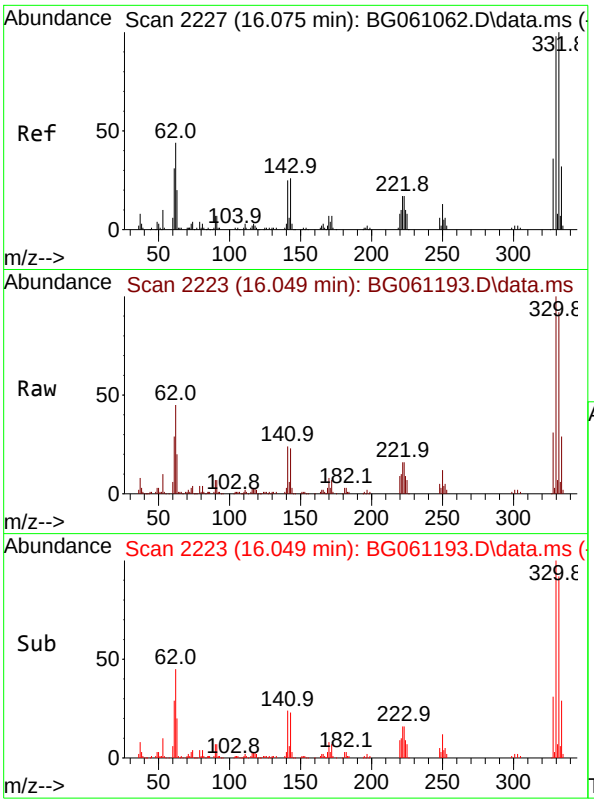


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.032 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:164 Resp: 81471

Ion	Ratio	Lower	Upper
164	100		
162	98.1	79.4	119.2
160	45.0	37.0	55.6



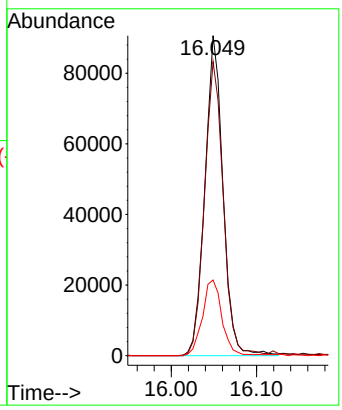


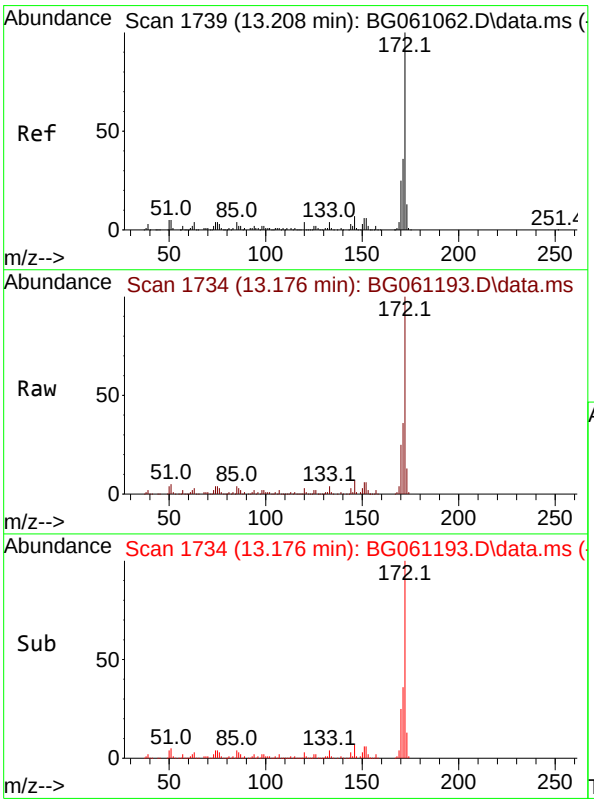
#42
2,4,6-Tribromophenol
Concen: 82.458 ng
RT: 16.049 min Scan# 2
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:330 Resp: 134280

Ion	Ratio	Lower	Upper
330	100		
332	94.6	78.6	117.8
141	25.3	20.5	30.7

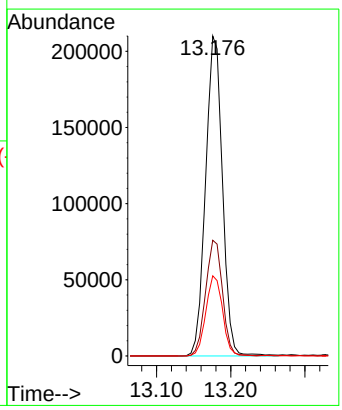


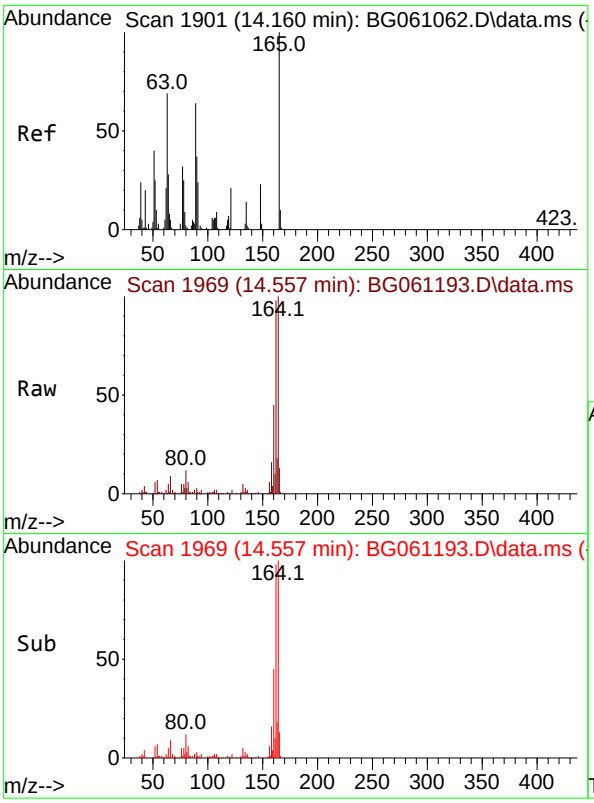


#45
2-Fluorobiphenyl
Concen: 60.134 ng
RT: 13.176 min Scan# 1734
Delta R.T. -0.032 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:172 Resp: 331311

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	25.0	20.2	30.4



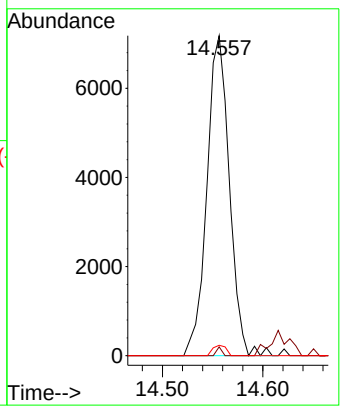


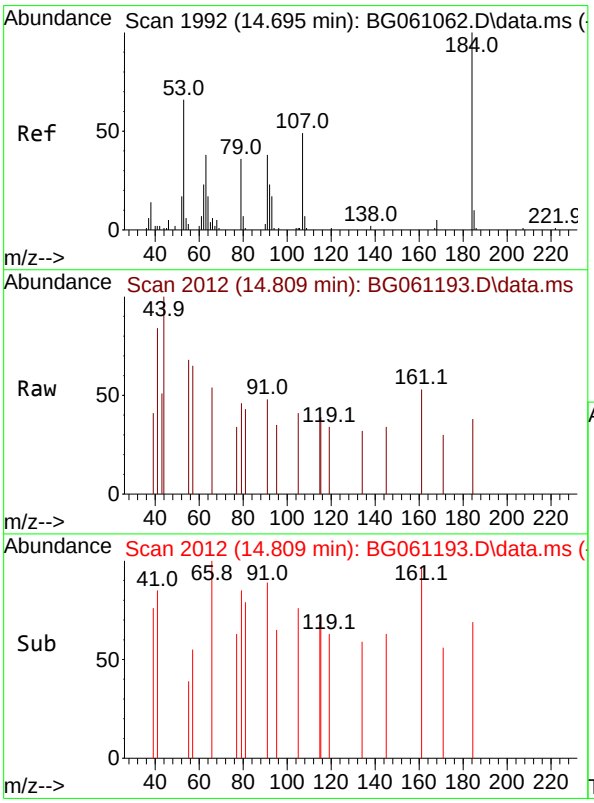
#51
2,6-Dinitrotoluene
Concen: 8.309 ng
RT: 14.557 min Scan# 1
Delta R.T. 0.396 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:165 Resp: 11184

Ion	Ratio	Lower	Upper
165	100		
63	2.7	60.0	90.0#
89	3.3	50.9	76.3#

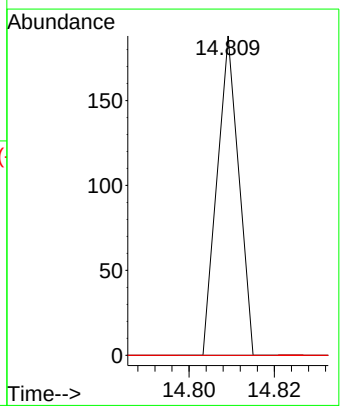


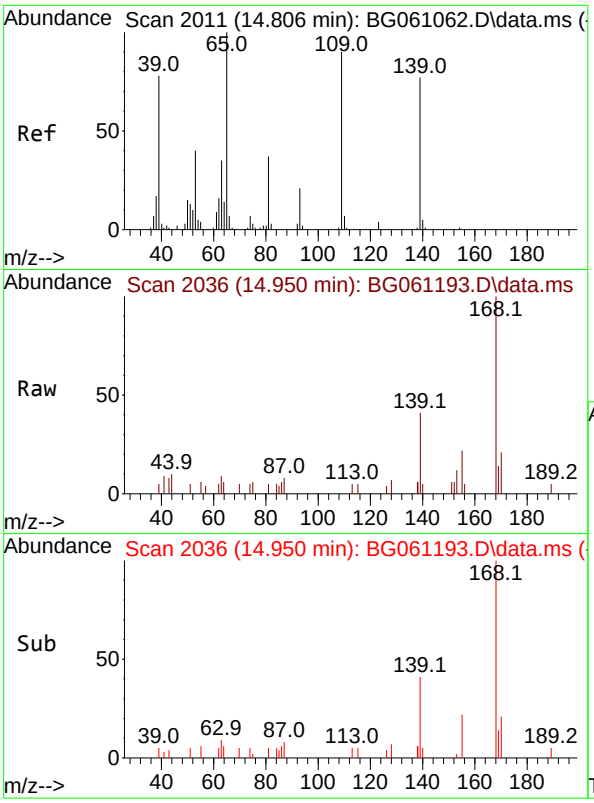


#54
2,4-Dinitrophenol
Concen: 2.275 ng
RT: 14.809 min Scan# 2012
Delta R.T. 0.114 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:184 Resp: 66

Ion	Ratio	Lower	Upper
184	100		
63	0.0	62.6	93.8#
154	0.0	61.4	92.0#



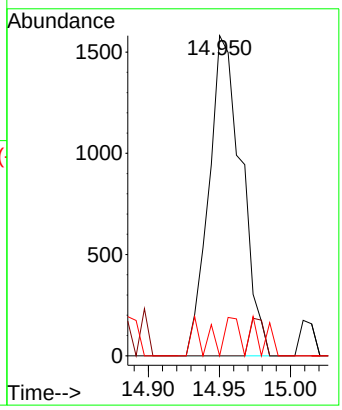


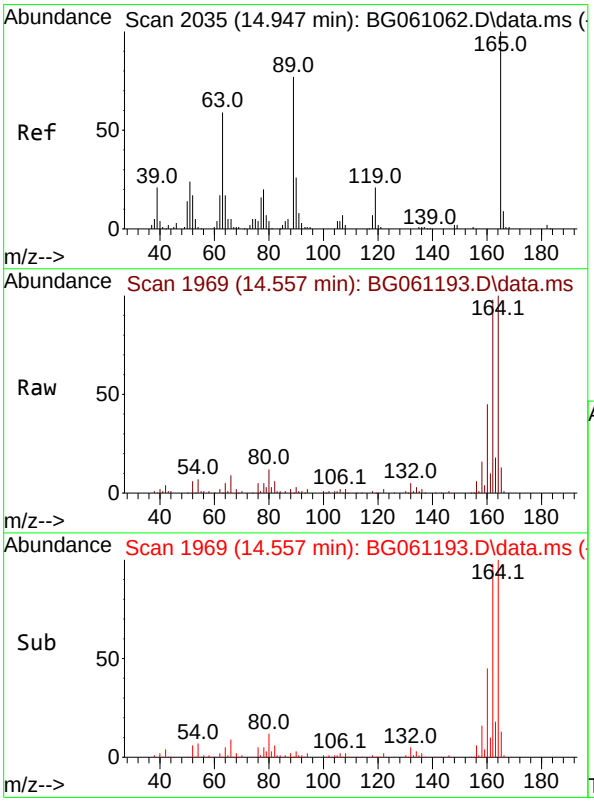
#56
4-Nitrophenol
Concen: 2.539 ng
RT: 14.950 min Scan# 2
Delta R.T. 0.144 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:139 Resp: 2527

Ion	Ratio	Lower	Upper
139	100		
109	0.0	97.7	137.7#
65	0.0	110.7	150.7#

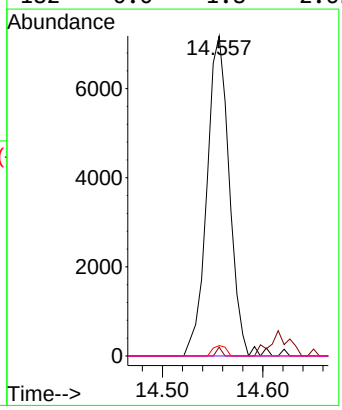


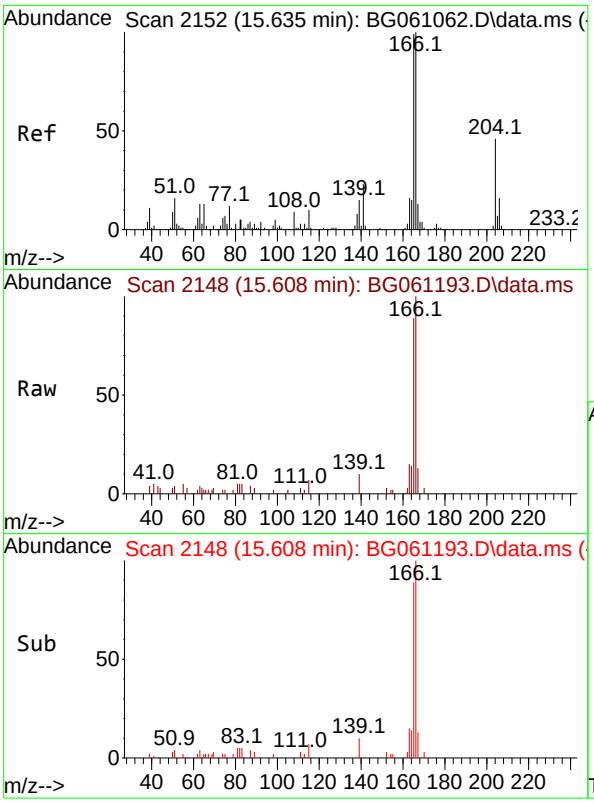


#57
2,4-Dinitrotoluene
Concen: 5.616 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.391 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:165 Resp: 11184

Ion	Ratio	Lower	Upper
165	100		
63	2.7	47.3	70.9#
89	3.3	61.8	92.8#
182	0.0	1.8	2.6#



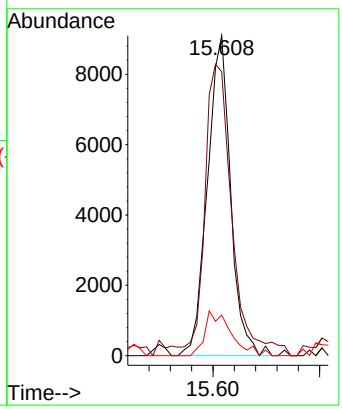


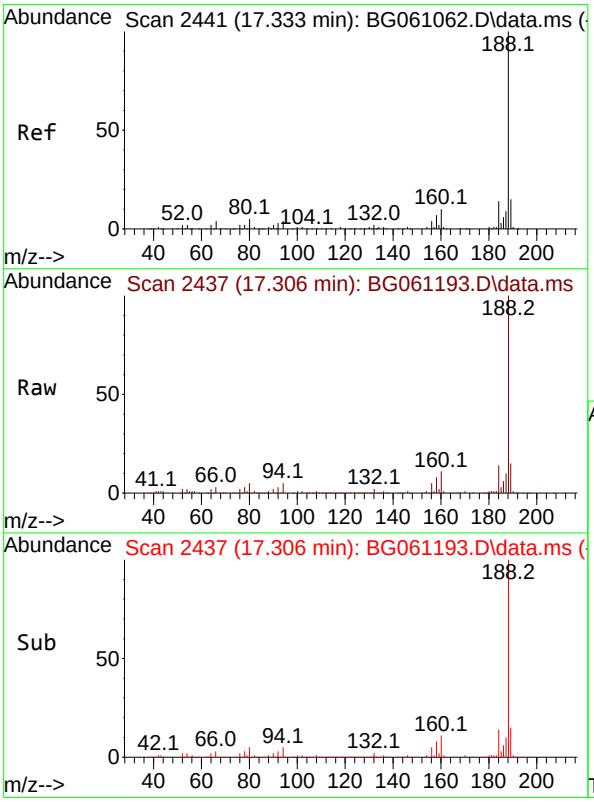
#58
Fluorene
Concen: 2.341 ng
RT: 15.608 min Scan# 21
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:166 Resp: 13713

Ion	Ratio	Lower	Upper
166	100		
165	88.7	78.9	118.3
167	12.7	10.6	15.8

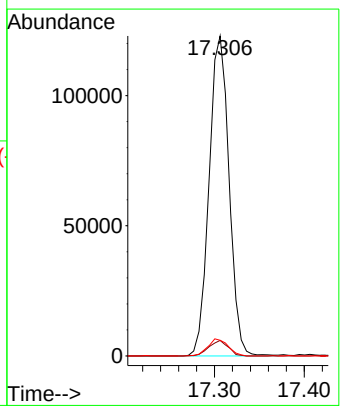


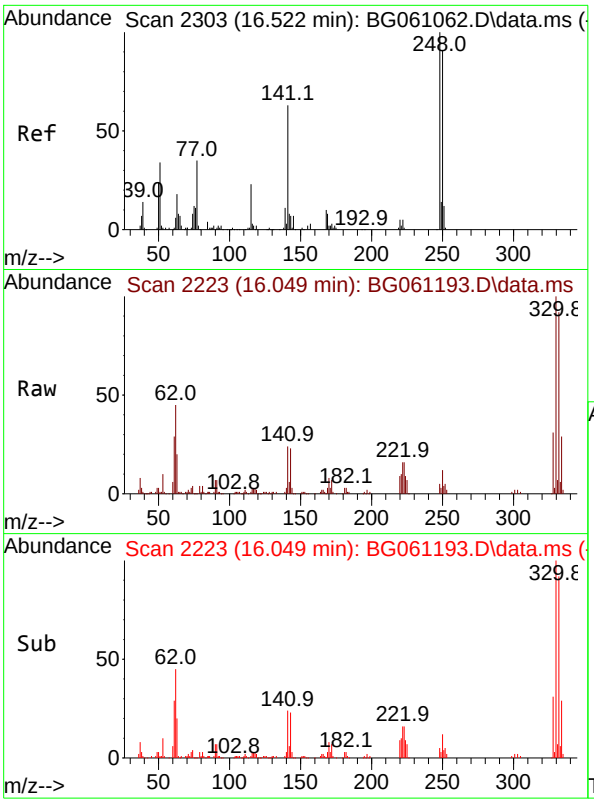


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2437
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:188 Resp: 189846

Ion	Ratio	Lower	Upper
188	100		
94	4.8	3.6	5.4
80	4.9	4.2	6.2



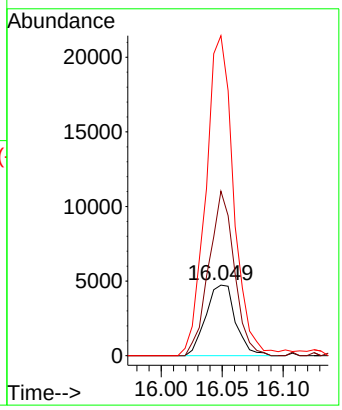


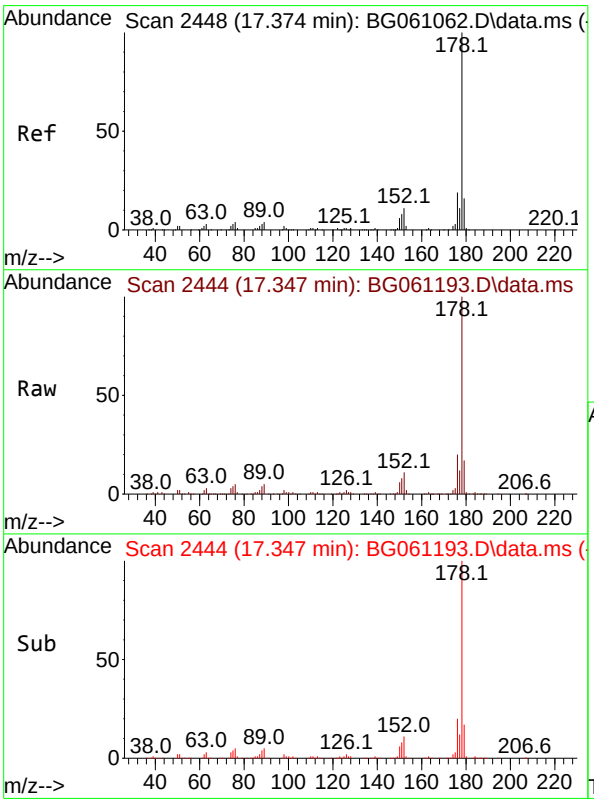
#67
4-Bromophenyl-phenylether
Concen: 3.583 ng
RT: 16.049 min Scan# 2
Delta R.T. -0.473 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:248 Resp: 8014

Ion	Ratio	Lower	Upper
248	100		
250	232.8	73.0	109.4#
141	453.1	50.8	76.2#

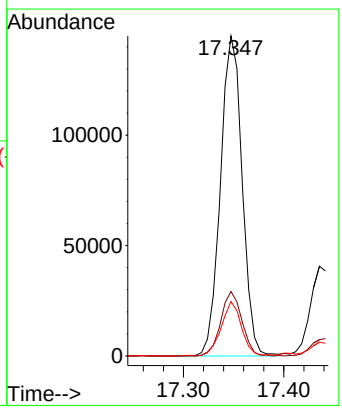


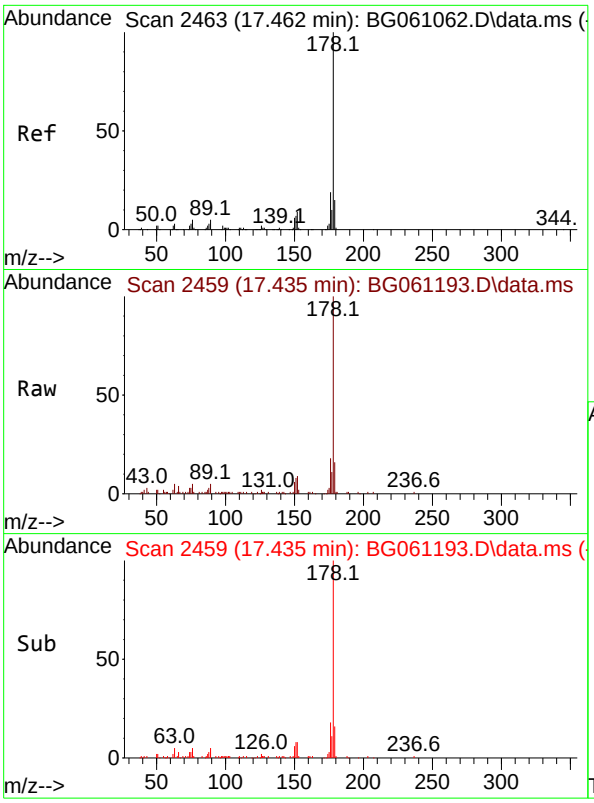


#71
Phenanthrene
Concen: 25.047 ng
RT: 17.347 min Scan# 2444
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:178 Resp: 217421

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	17.0	12.6	19.0



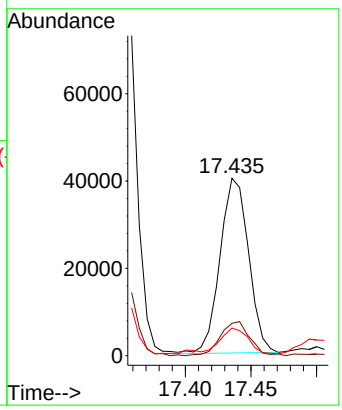


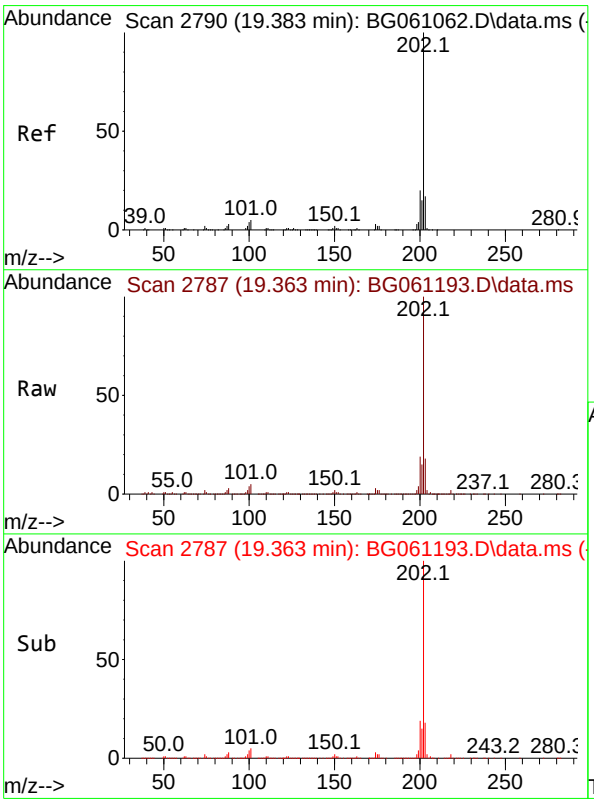
#72
Anthracene
Concen: 7.003 ng
RT: 17.435 min Scan# 24
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:178 Resp: 60662

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.6
179	15.6	12.0	18.0

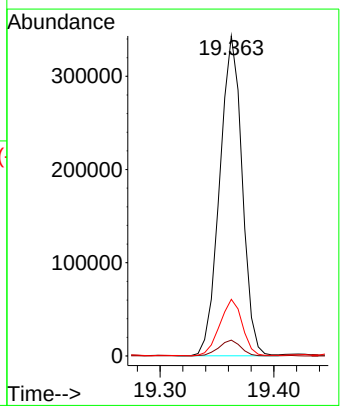


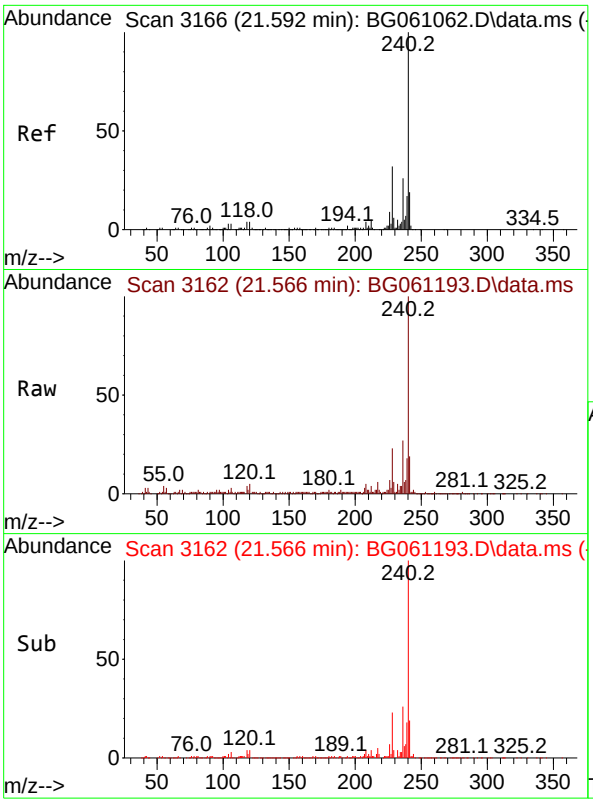


#75
Fluoranthene
Concen: 39.661 ng
RT: 19.363 min Scan# 2787
Delta R.T. -0.021 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:202 Resp: 471652

Ion	Ratio	Lower	Upper
202	100		
101	5.0	0.0	24.7
203	17.7	0.0	37.1



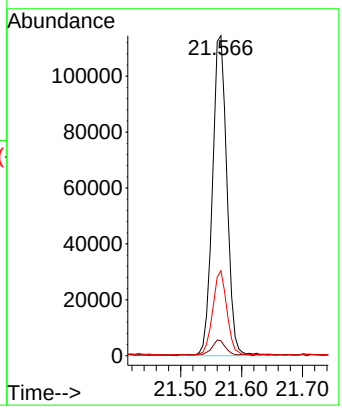


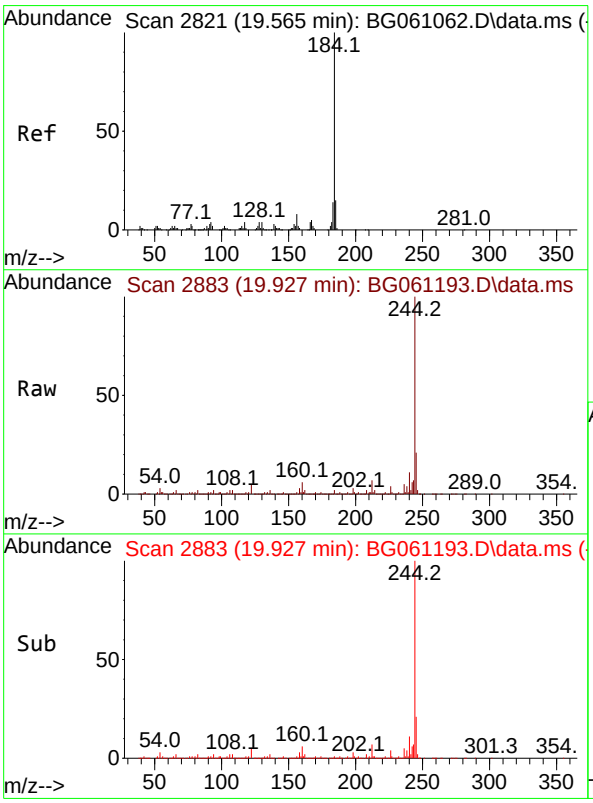
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:240 Resp: 189033

Ion	Ratio	Lower	Upper
240	100		
120	4.6	3.2	4.8
236	26.5	21.0	31.6

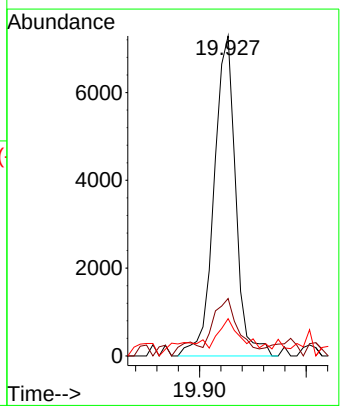


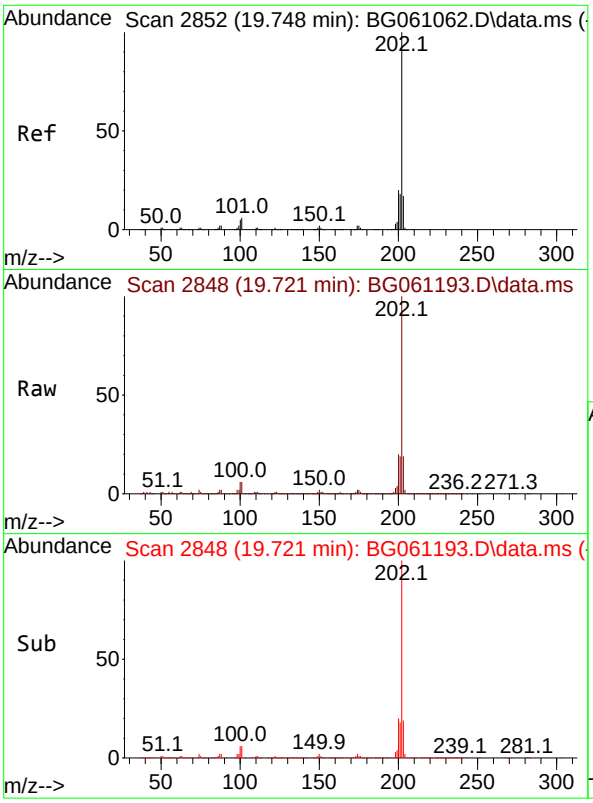


#77
Benzidine
Concen: 5.483 ng
RT: 19.927 min Scan# 2883
Delta R.T. 0.362 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:184 Resp: 10264

Ion	Ratio	Lower	Upper
184	100		
185	17.9	12.0	18.0
183	11.6	10.9	16.3



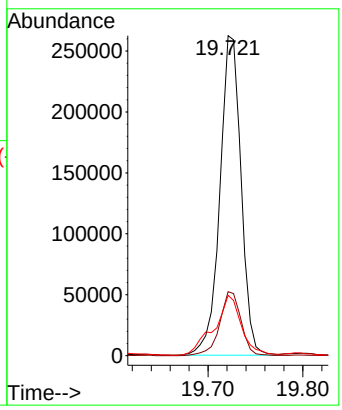


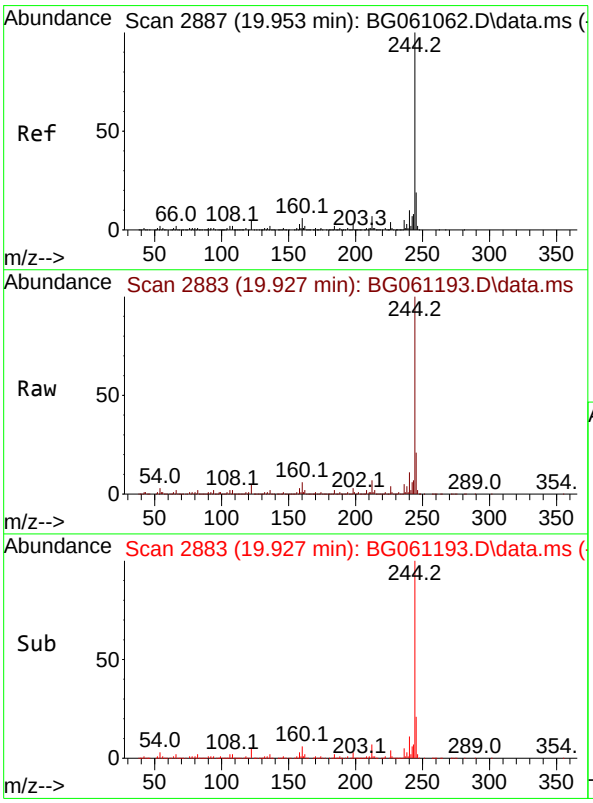
#78
Pyrene
Concen: 33.940 ng
RT: 19.721 min Scan# 2
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:202 Resp: 407893

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.4
203	18.8	13.3	19.9

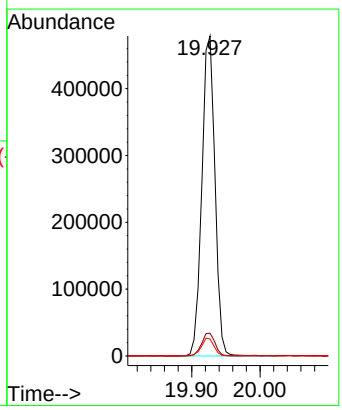


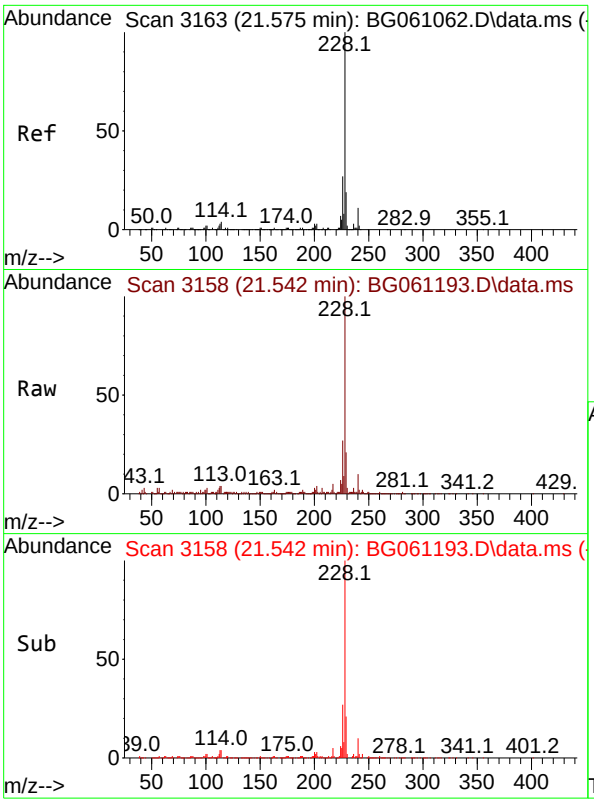


#79
Terphenyl-d14
Concen: 56.308 ng
RT: 19.927 min Scan# 2883
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:244 Resp: 639996

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	5.3	4.2	6.2



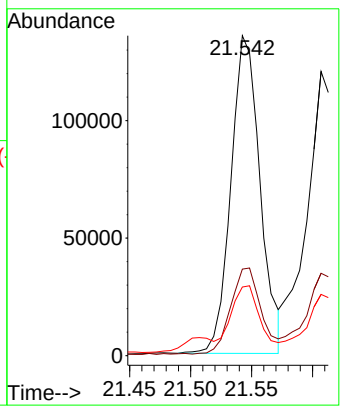


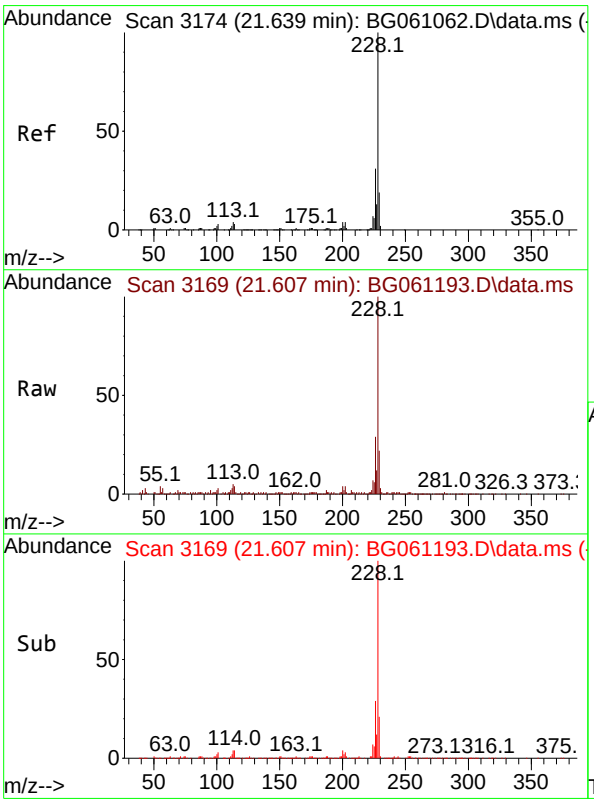
#81
Benzo(a)anthracene
Concen: 18.192 ng
RT: 21.542 min Scan# 3
Delta R.T. -0.032 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:228 Resp: 225032

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.6	32.4
229	21.5	15.0	22.4

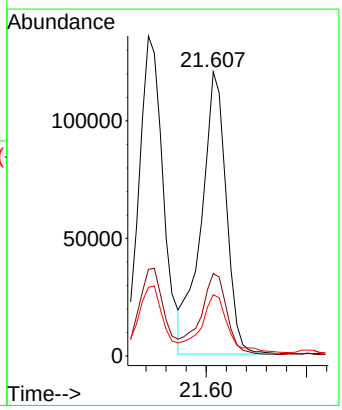


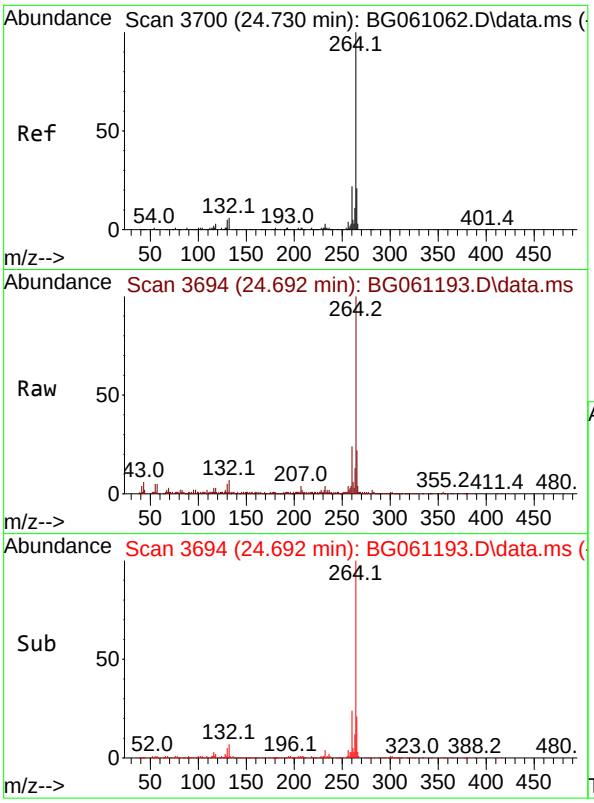


#83
Chrysene
Concen: 17.980 ng
RT: 21.607 min Scan# 3169
Delta R.T. -0.032 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:228 Resp: 208373

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.4	36.6
229	21.6	14.8	22.2



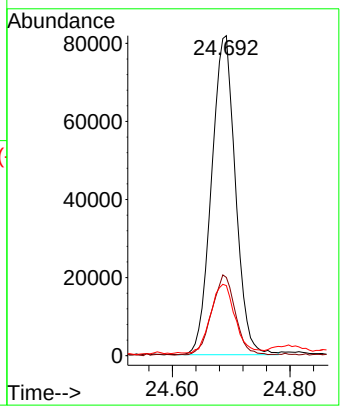


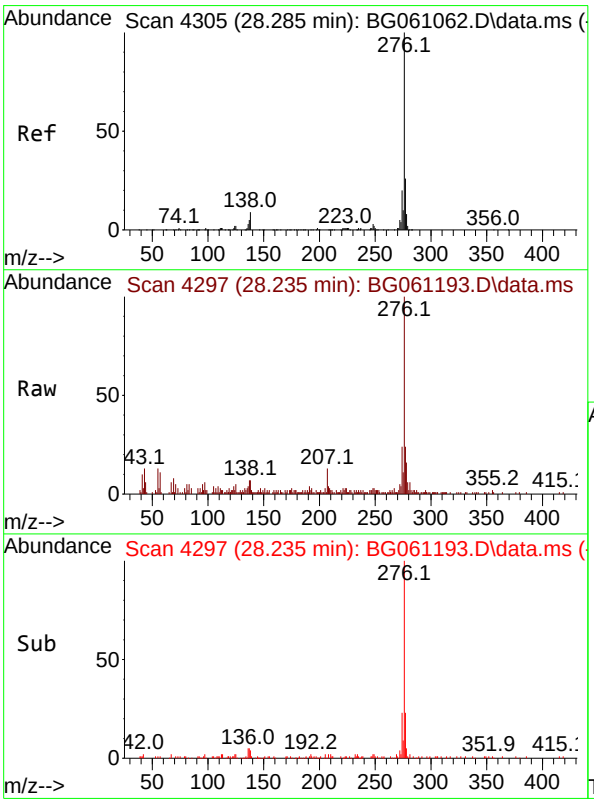
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.692 min Scan# 3
Delta R.T. -0.038 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:264 Resp: 230282

Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.7	26.5
265	21.9	16.4	24.6

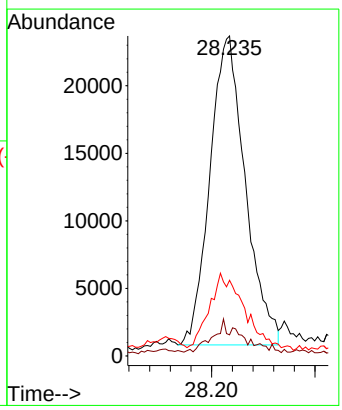


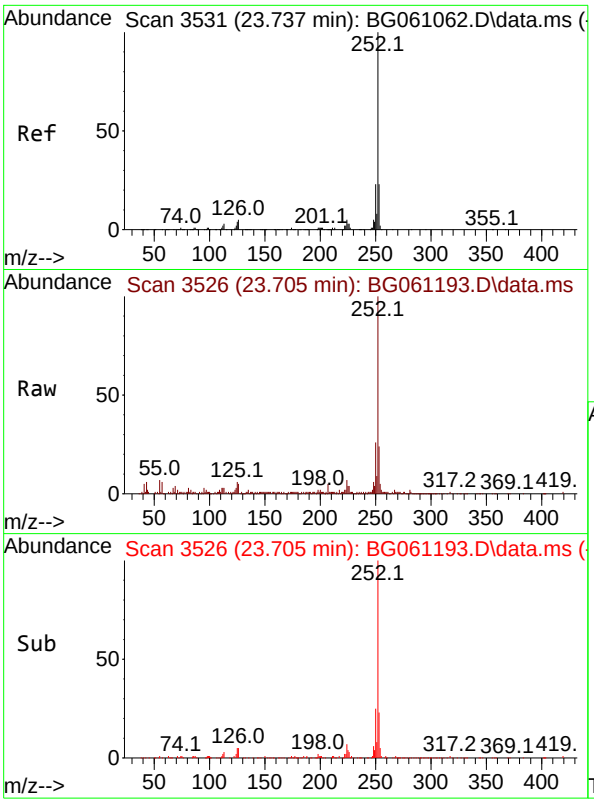


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.112 ng
RT: 28.235 min Scan# 4297
Delta R.T. -0.050 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:276 Resp: 108537

Ion	Ratio	Lower	Upper
276	100		
138	4.4	5.1	7.7#
277	25.3	20.6	30.8



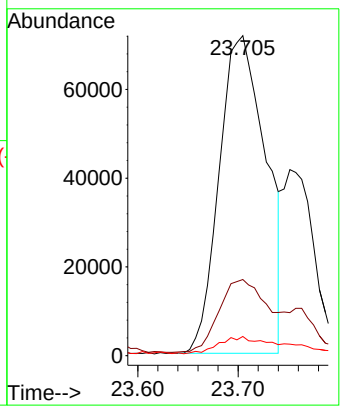


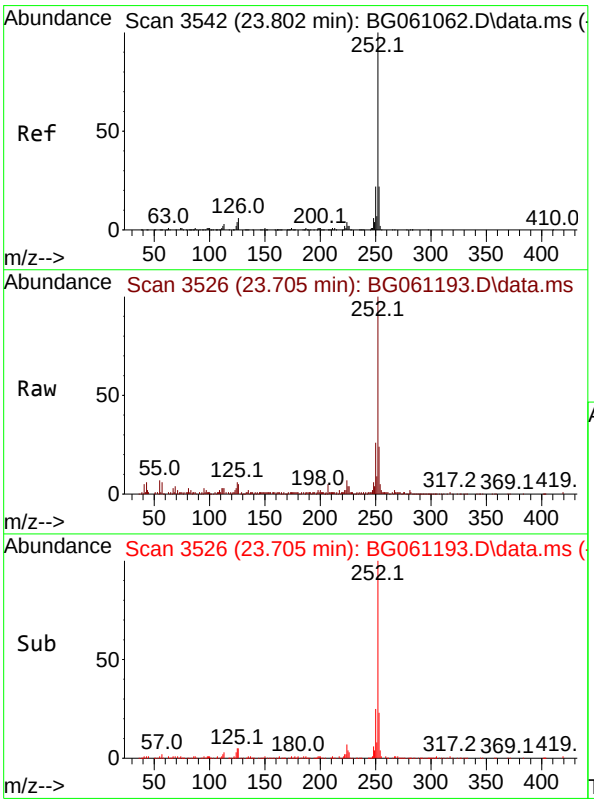
#88
Benzo(b)fluoranthene
Concen: 17.915 ng
RT: 23.705 min Scan# 3
Delta R.T. -0.032 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:252 Resp: 230539

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	6.0	3.4	5.0#

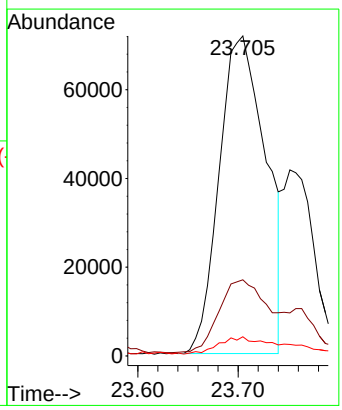


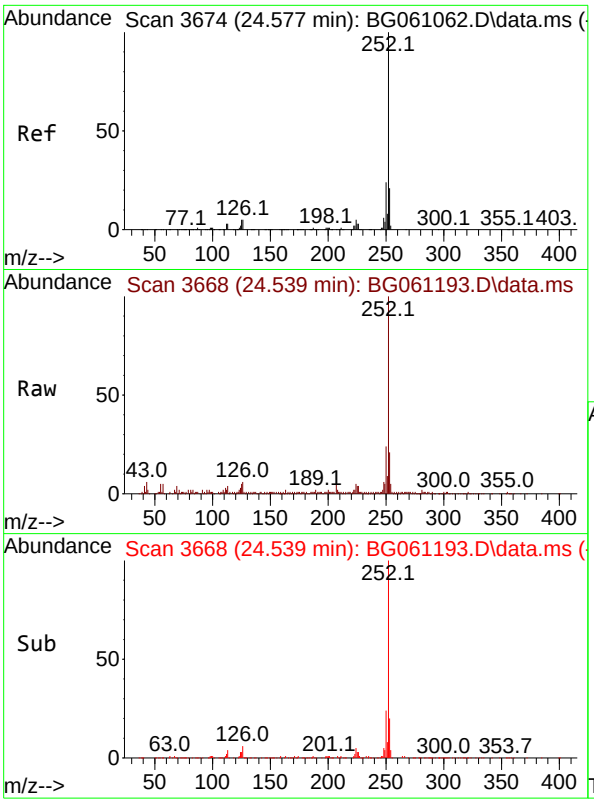


#89
Benzo(k)fluoranthene
Concen: 18.622 ng
RT: 23.705 min Scan# 3526
Delta R.T. -0.097 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:252 Resp: 230539

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	6.0	3.2	4.8#



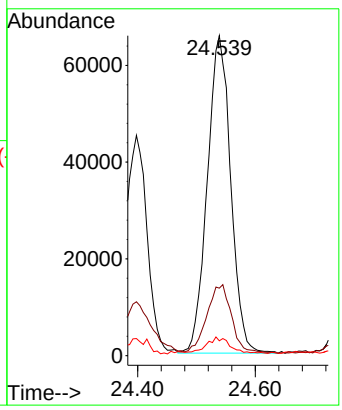


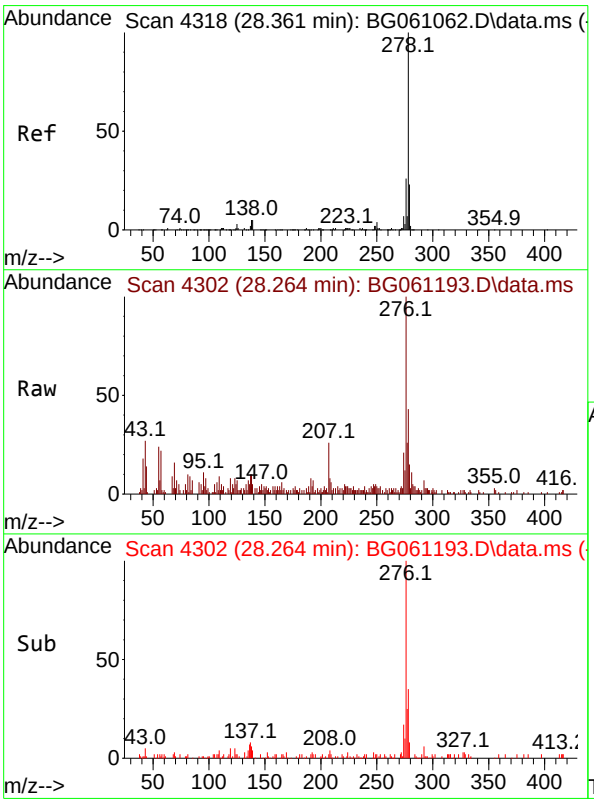
#90
Benzo(a)pyrene
Concen: 16.172 ng
RT: 24.539 min Scan# 3
Delta R.T. -0.038 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:252 Resp: 181308

Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.9	25.3
125	4.7	3.8	5.8

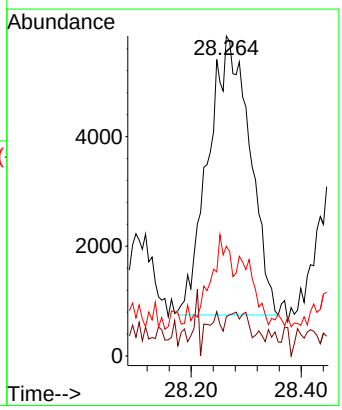


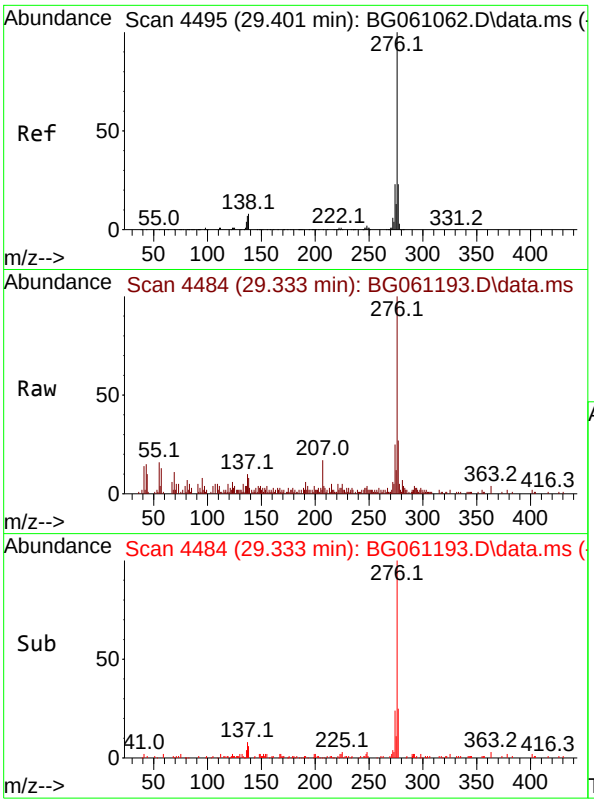


#91
Dibenzo(a,h)anthracene
Concen: 2.118 ng
RT: 28.264 min Scan# 4302
Delta R.T. -0.097 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:278 Resp: 26766

Ion	Ratio	Lower	Upper
278	100		
139	12.3	4.2	6.2#
279	34.3	18.0	27.0#





#92
Benzo(g,h,i)perylene
Concen: 8.443 ng
RT: 29.333 min Scan# 44
Delta R.T. -0.068 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Tgt Ion:276 Resp: 106038

Ion	Ratio	Lower	Upper
276	100		
277	27.4	18.2	27.4#
138	7.5	6.2	9.2