Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Time: Oct 04 00:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	15257	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	63069	20.000	ng	# 0.00
39) Acenaphthene-d10	14.446	164	49495	20.000	ng	0.00
64) Phenanthrene-d10	17.190	188	127112	20.000	ng	0.00
76) Chrysene-d12	21.408	240	134148	20.000	ng	0.00
86) Perylene-d12	24.387	264	147315	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	51725	62.743	ng	0.00
7) Phenol-d6	6.996	99	41514	37.472	ng	0.00
23) Nitrobenzene-d5	8.982	82	106151	90.500	ng	0.02
42) 2,4,6-Tribromophenol	15.938	330	134254	149.642	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	300588	89.518	ng	0.00
79) Terphenyl-d14	19.810	244	631565	89.098	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	8.929	117	44665	101.813	ng	# 1
19) n-Nitroso-di-n-propyla...	8.976	70	16046	21.657	ng	# 76
22) Acetophenone	8.623	105	8054	5.274	ng	# 53
24) Nitrobenzene	9.005	77	7446	6.366	ng	# 17
37) 2-Methylnaphthalene	12.272	142	61166	24.535	ng	91
38) 1-Methylnaphthalene	12.489	142	55919	22.495	ng	91
58) Fluorene	15.498	166	13066	3.473	ng	90
67) 4-Bromophenyl-phenylether	15.938	248	9163	6.126	ng	# 1
71) Phenanthrene	17.231	178	16026	2.411	ng	95
72) Anthracene	17.231	178	16026	2.403	ng	97
77) Benzidine	19.810	184	13087	3.921	ng	# 81

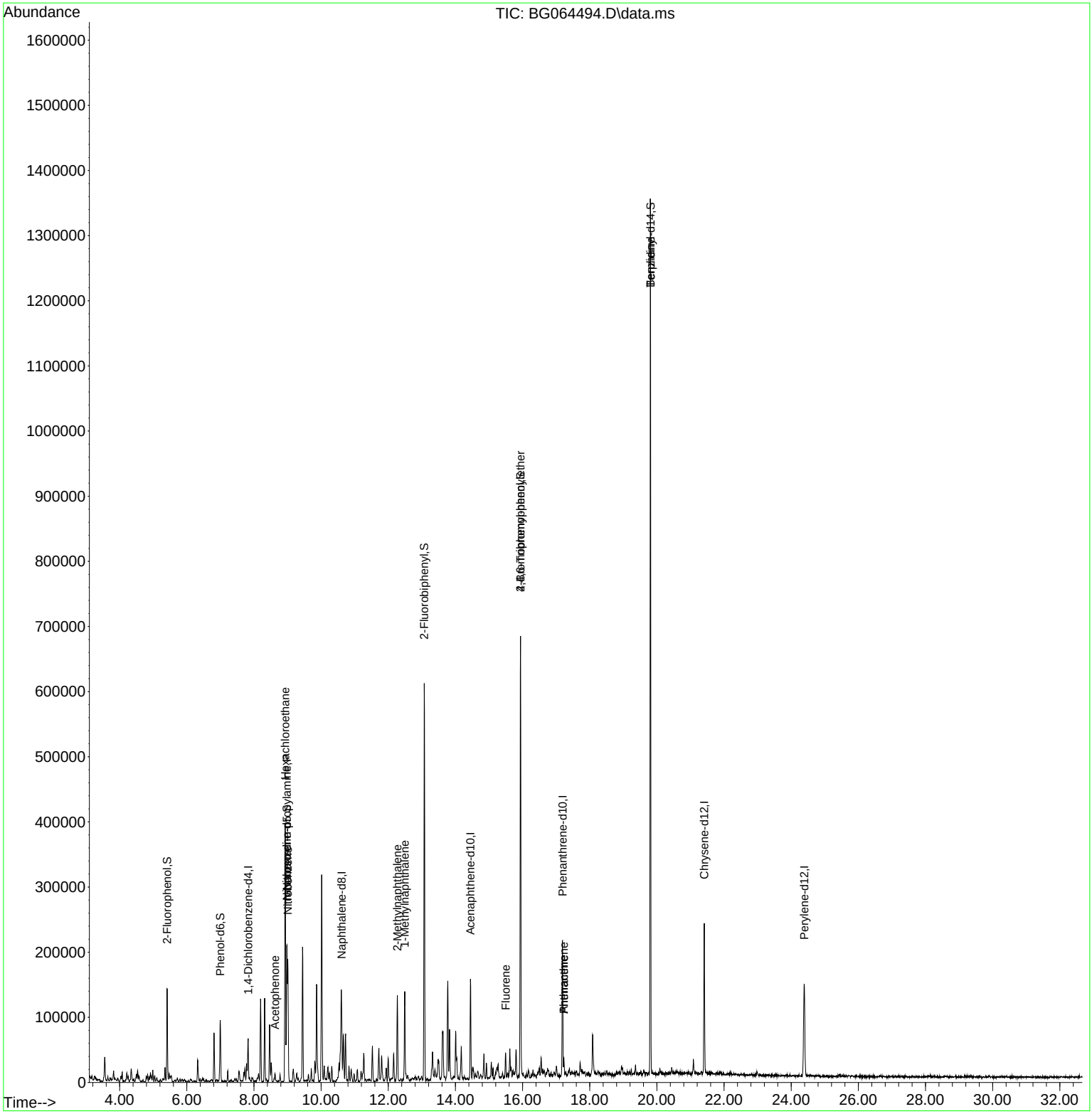
(#) = qualifier out of range (m) = manual integration (+) = signals summed

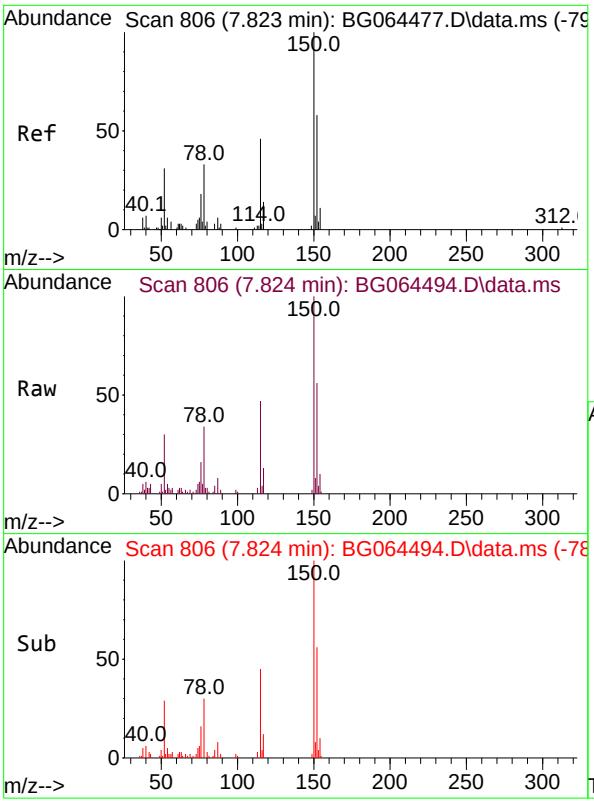
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Time: Oct 04 00:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



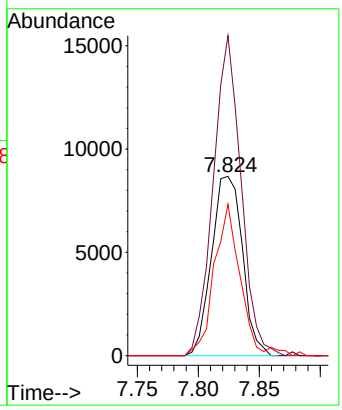


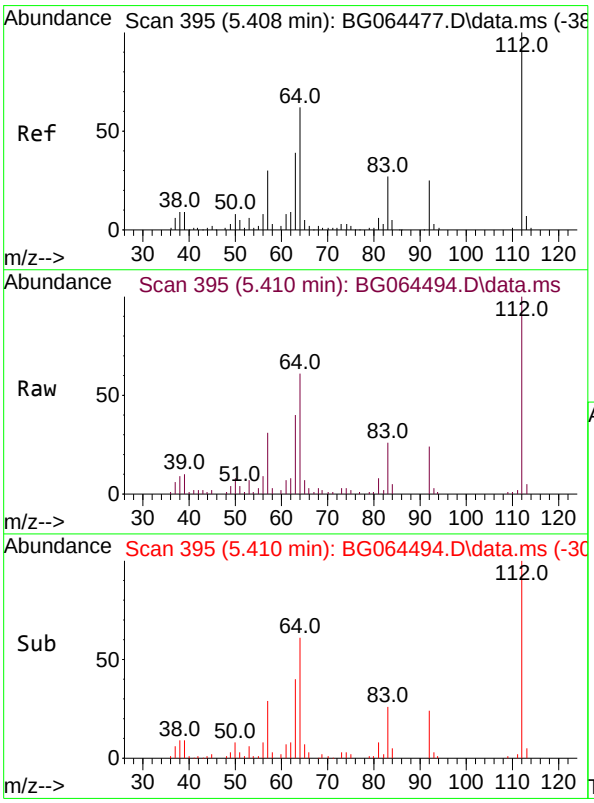
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.824 min Scan# 80
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:152 Resp: 15257

Ion	Ratio	Lower	Upper
152	100		
150	178.5	138.6	207.8
115	84.4	63.4	95.2

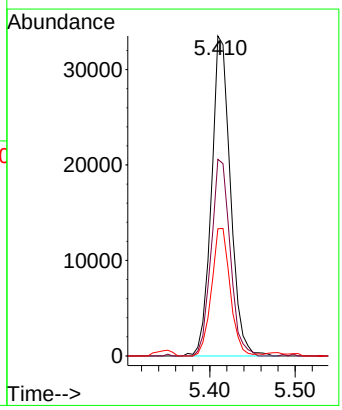


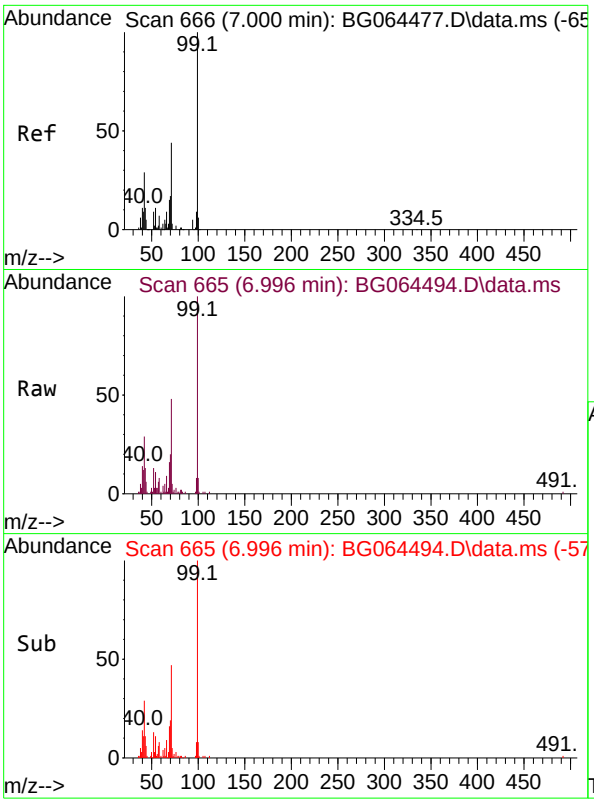


#5
2-Fluorophenol
Concen: 62.743 ng
RT: 5.410 min Scan# 395
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:112 Resp: 51725

Ion	Ratio	Lower	Upper
112	100		
64	61.4	49.8	74.8
63	39.7	31.3	46.9



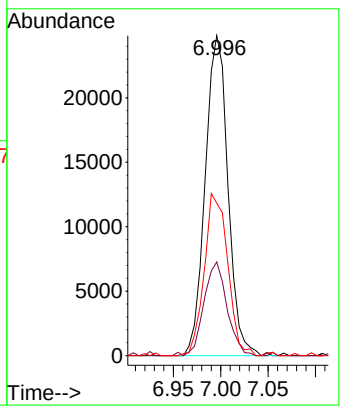


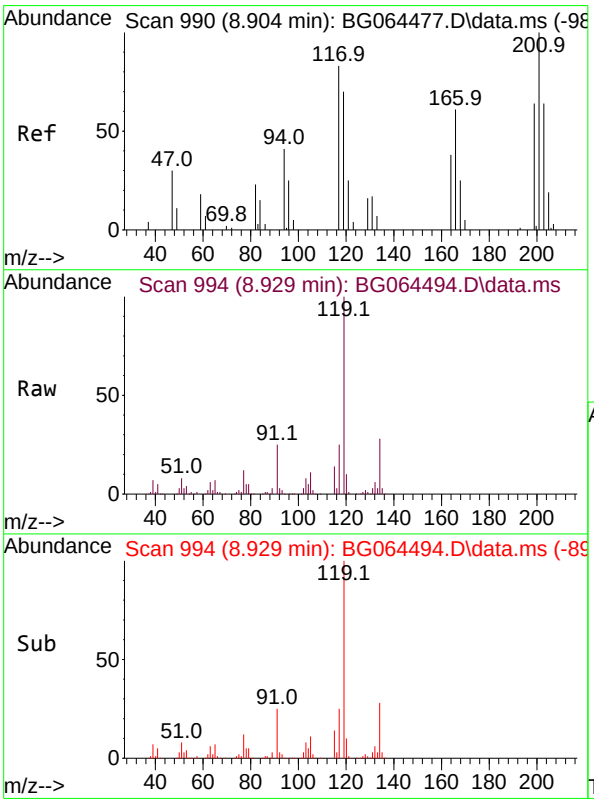
#7
Phenol-d6
Concen: 37.472 ng
RT: 6.996 min Scan# 6
Delta R.T. 0.010 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion: 99 Resp: 41514

Ion	Ratio	Lower	Upper
99	100		
42	29.3	22.9	34.3
71	47.6	35.4	53.2

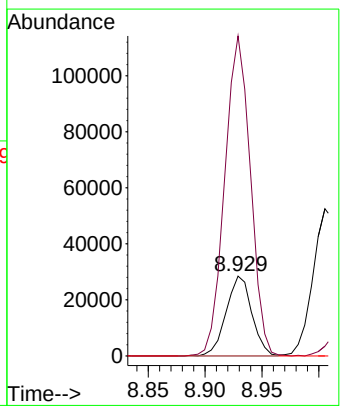


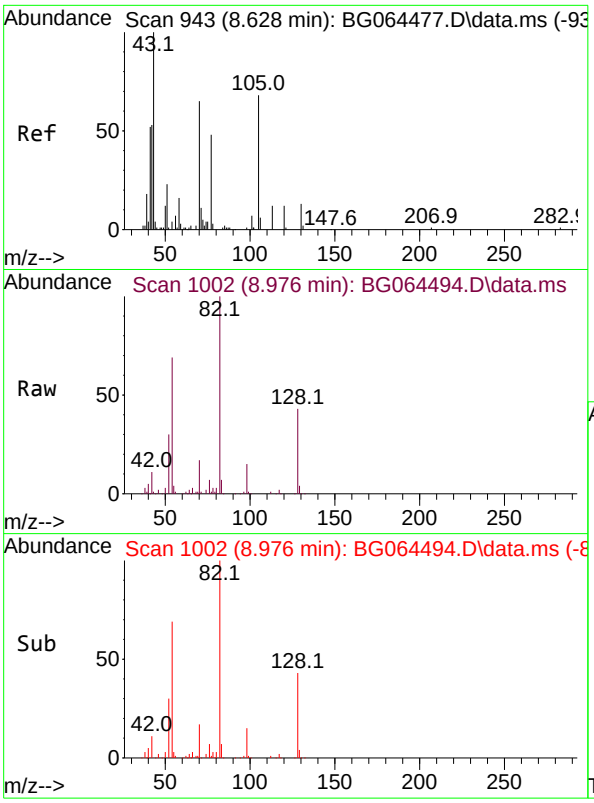


#18
Hexachloroethane
Concen: 101.813 ng
RT: 8.929 min Scan# 994
Delta R.T. 0.033 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:117 Resp: 44665

Ion	Ratio	Lower	Upper
117	100		
119	400.9	67.4	101.0#
201	0.0	95.9	143.9#



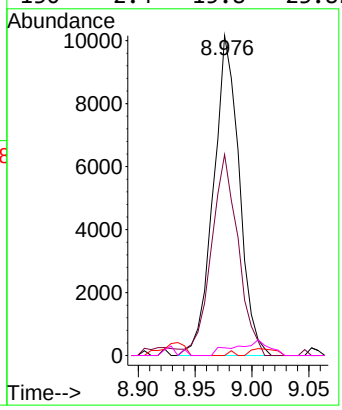


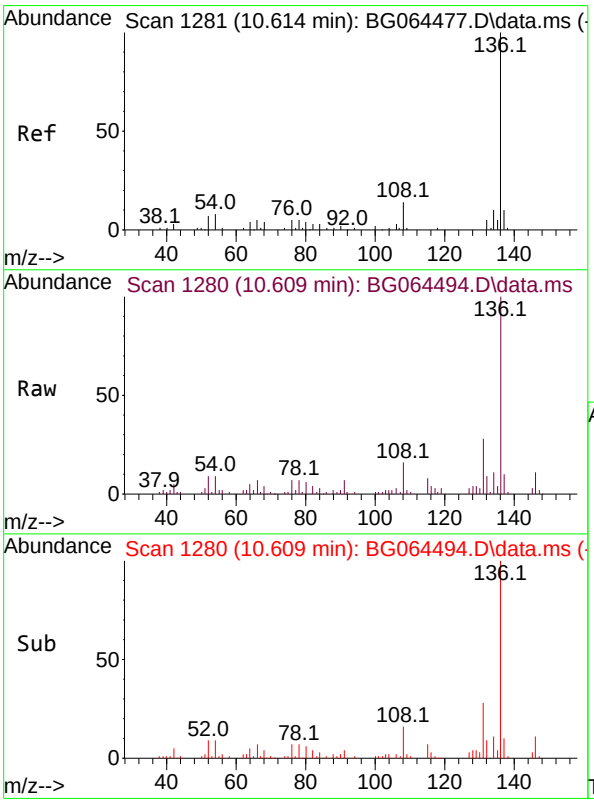
#19
n-Nitroso-di-n-propylamine
Concen: 21.657 ng
RT: 8.976 min Scan# 1
Delta R.T. 0.362 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion: 70 Resp: 16046

Ion	Ratio	Lower	Upper
70	100		
42	62.8	64.9	97.3#
101	0.0	8.7	13.1#
130	2.4	15.8	23.8#

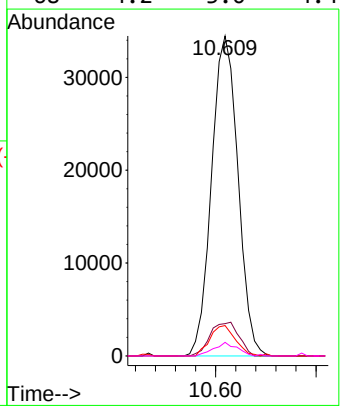


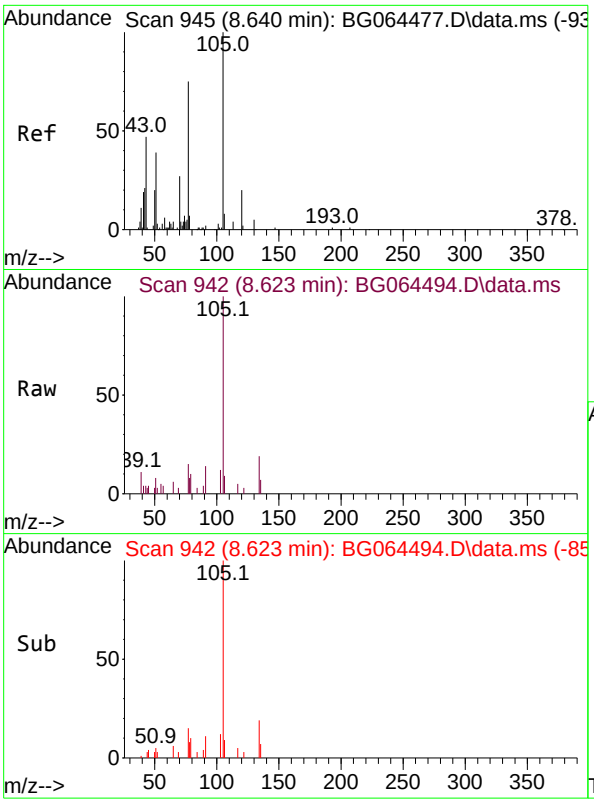


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 1280
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:136 Resp: 63069

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.3	12.5
54	9.5	6.2	9.4#
68	4.2	3.0	4.4



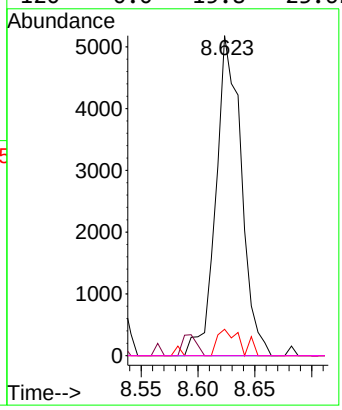


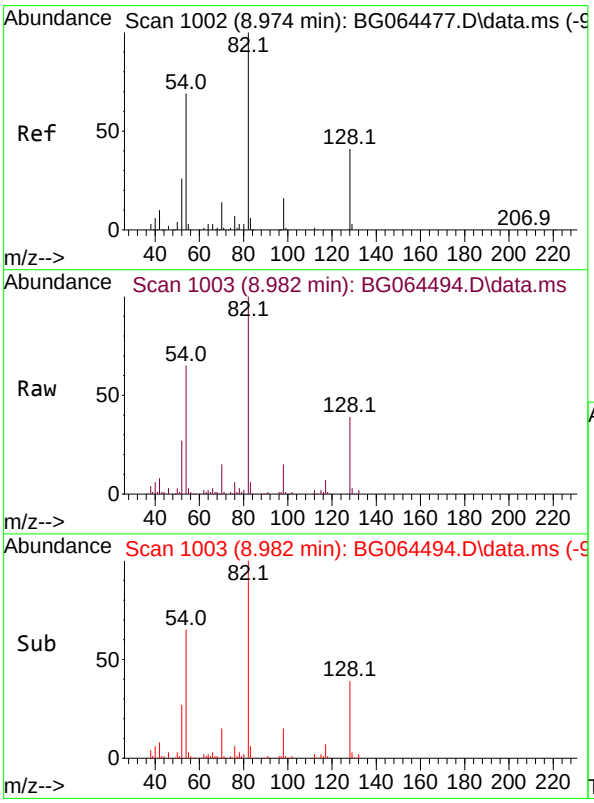
#22
Acetophenone
Concen: 5.274 ng
RT: 8.623 min Scan# 94
Delta R.T. -0.008 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:105 Resp: 8054

Ion	Ratio	Lower	Upper
105	100		
71	0.0	2.8	4.2#
51	8.2	33.0	49.4#
120	0.0	15.8	23.6#

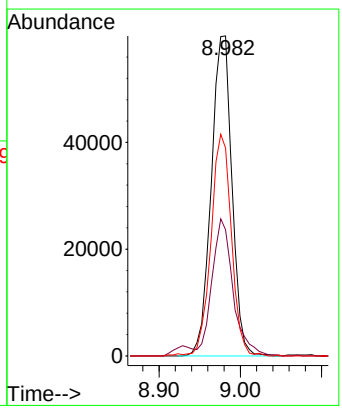


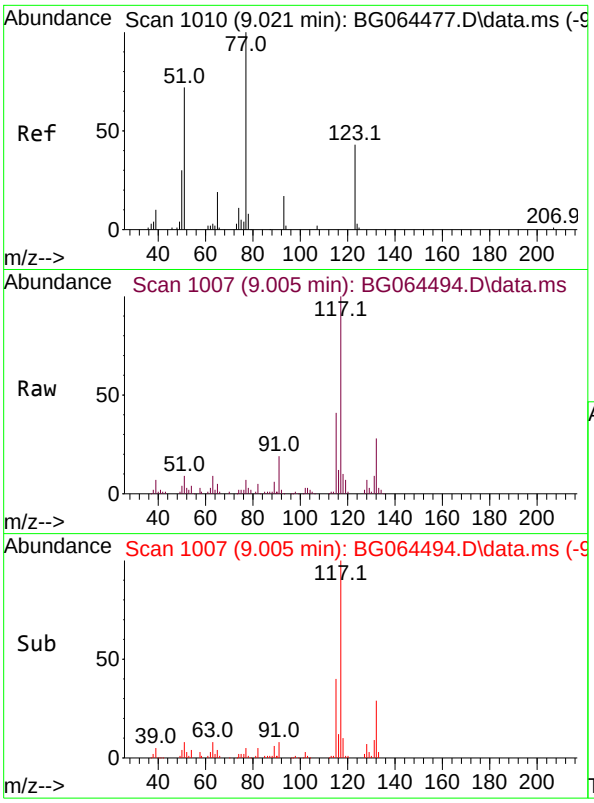


#23
Nitrobenzene-d5
Concen: 90.500 ng
RT: 8.982 min Scan# 1003
Delta R.T. 0.016 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion: 82 Resp: 106151

Ion	Ratio	Lower	Upper
82	100		
128	39.4	33.1	49.7
54	65.0	55.4	83.2



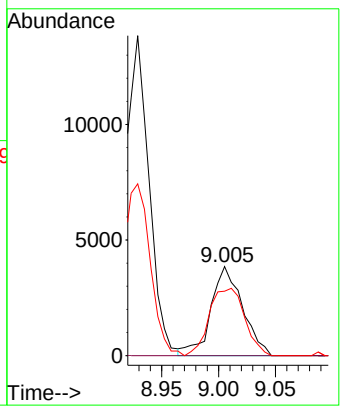


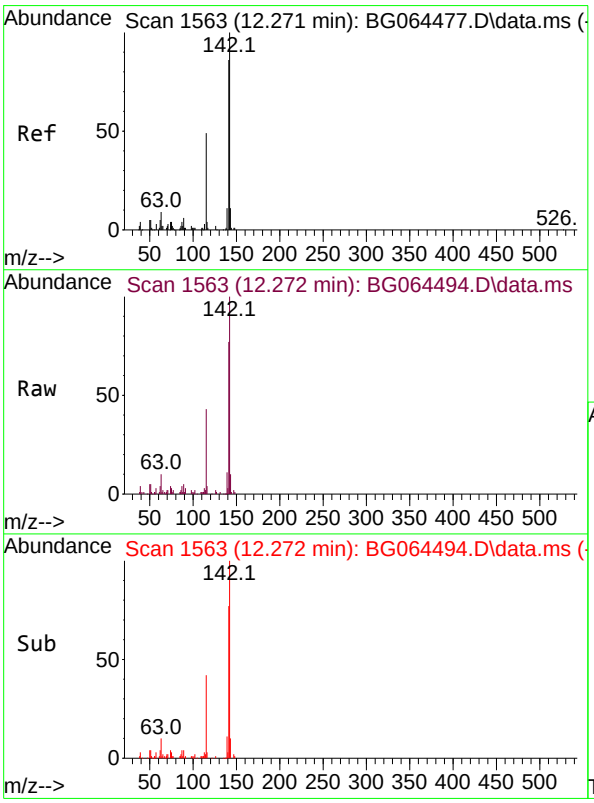
#24
Nitrobenzene
Concen: 6.366 ng
RT: 9.005 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion: 77 Resp: 7446

Ion	Ratio	Lower	Upper
77	100		
123	0.0	34.4	51.6#
65	72.4	14.8	22.2#

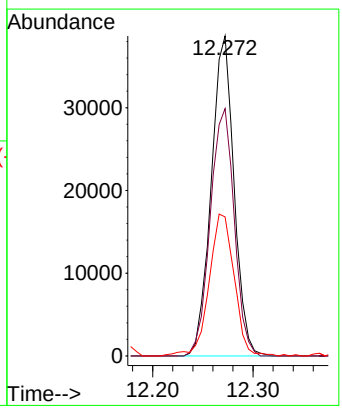


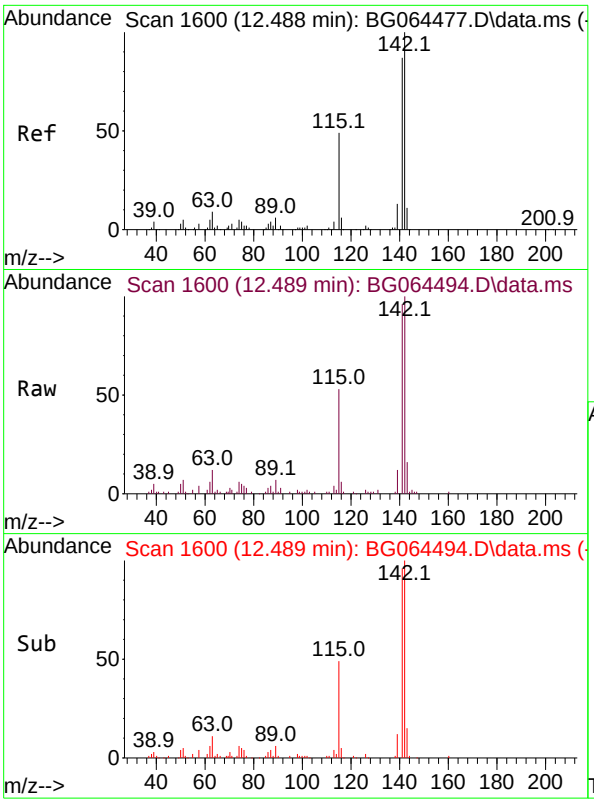


#37
2-Methylnaphthalene
Concen: 24.535 ng
RT: 12.272 min Scan# 1563
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:142 Resp: 61166

Ion	Ratio	Lower	Upper
142	100		
141	77.3	68.7	103.1
115	43.4	39.3	58.9



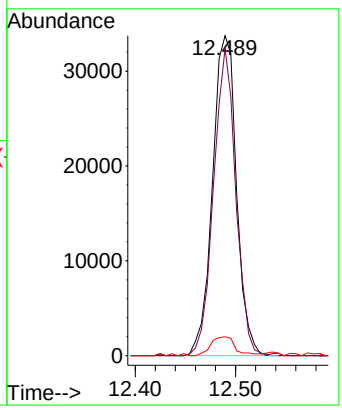


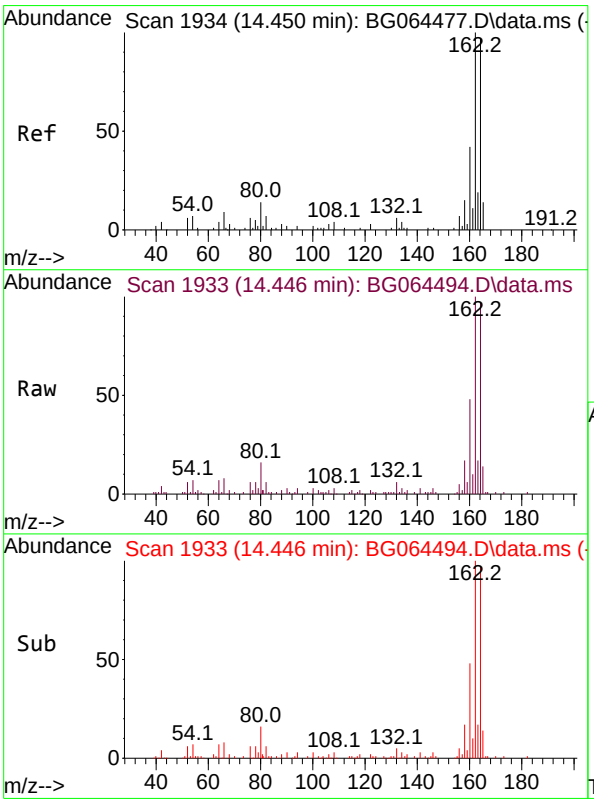
#38
1-Methylnaphthalene
Concen: 22.495 ng
RT: 12.489 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:142 Resp: 55919

Ion	Ratio	Lower	Upper
142	100		
141	95.9	69.8	104.8
116	5.9	4.6	6.8

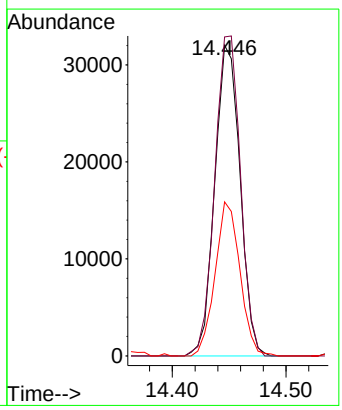


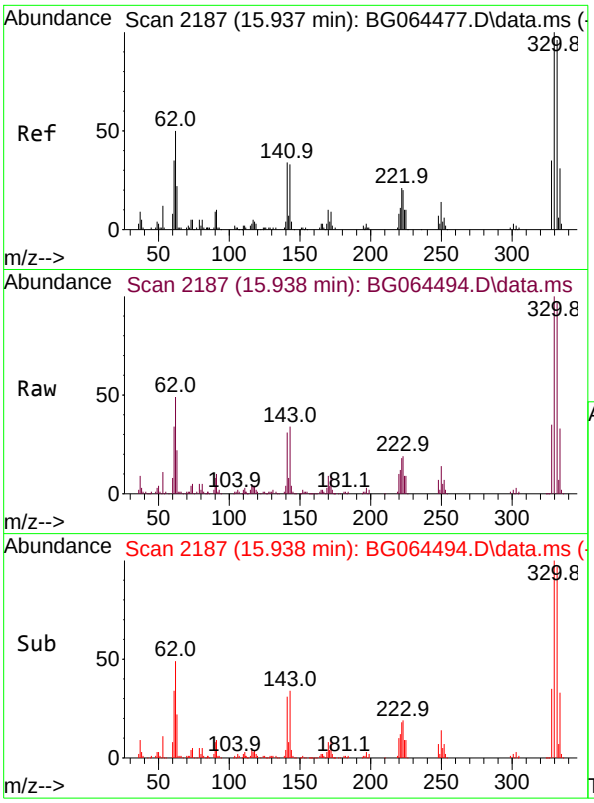


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:164 Resp: 49495

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	49.6	34.3	51.5



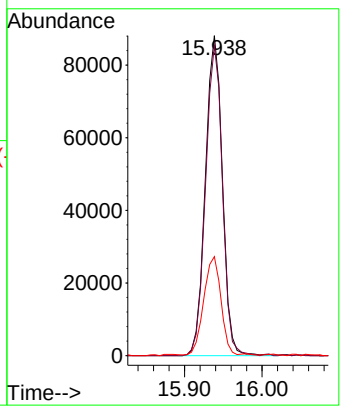


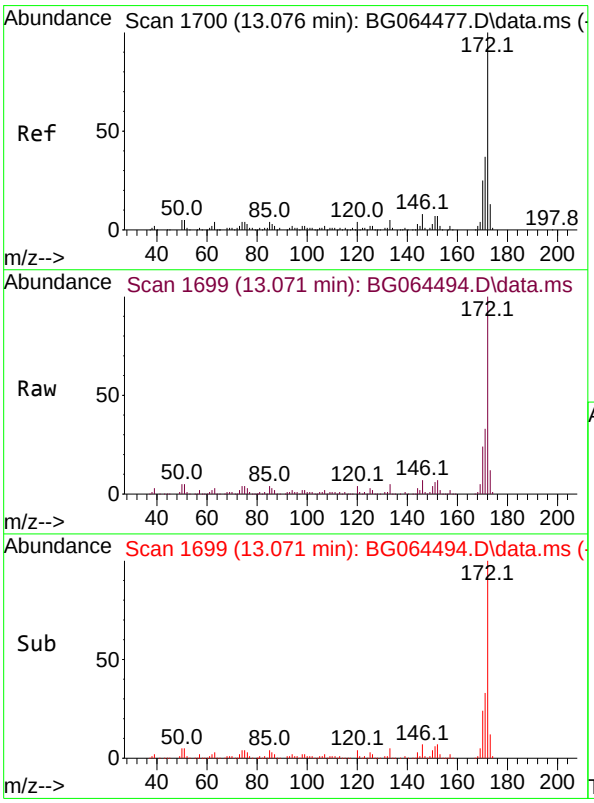
#42
2,4,6-Tribromophenol
Concen: 149.642 ng
RT: 15.938 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:330 Resp: 134254

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	31.2	25.8	38.6

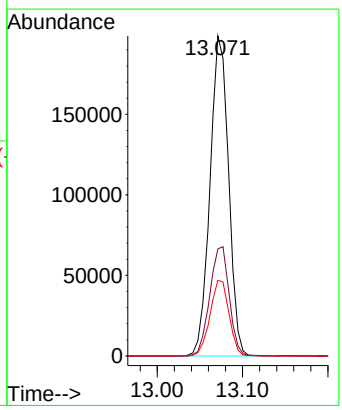


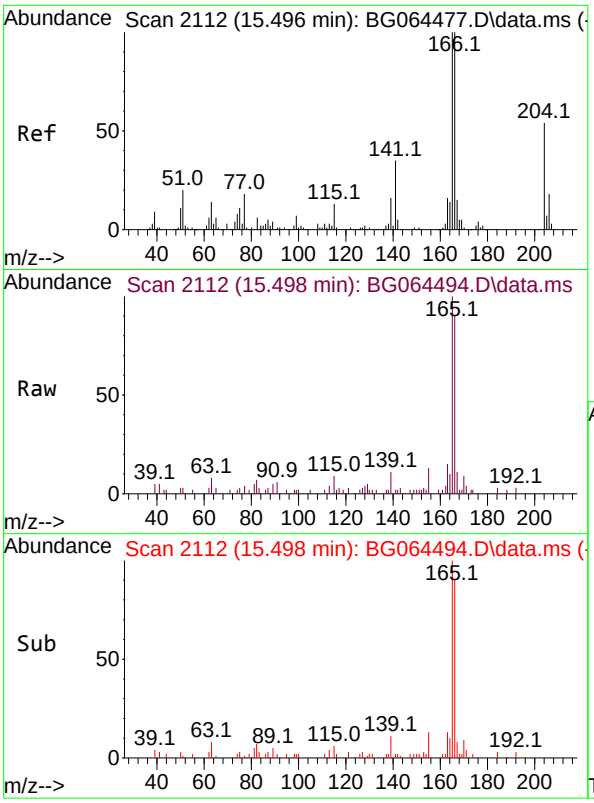


#45
2-Fluorobiphenyl
Concen: 89.518 ng
RT: 13.071 min Scan# 1699
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:172 Resp: 300588

Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.6	44.4
170	23.6	20.2	30.2



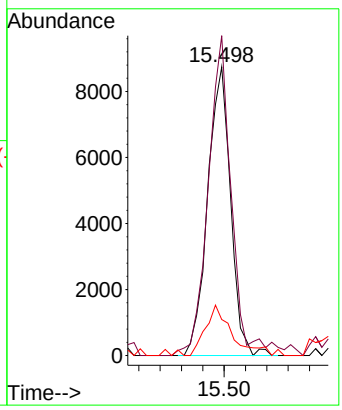


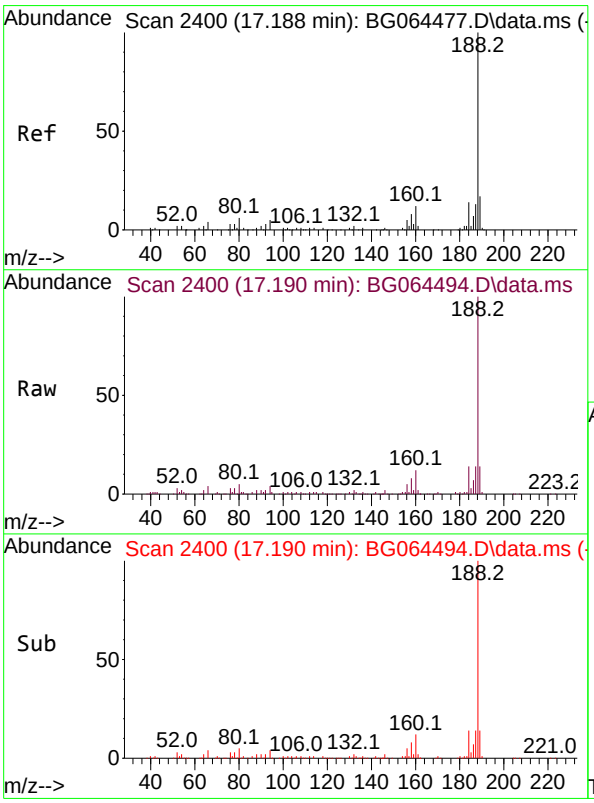
#58
Fluorene
Concen: 3.473 ng
RT: 15.498 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:166 Resp: 13066

Ion	Ratio	Lower	Upper
166	100		
165	110.8	79.8	119.6
167	12.5	11.7	17.5

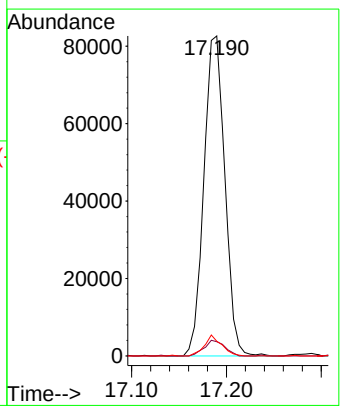


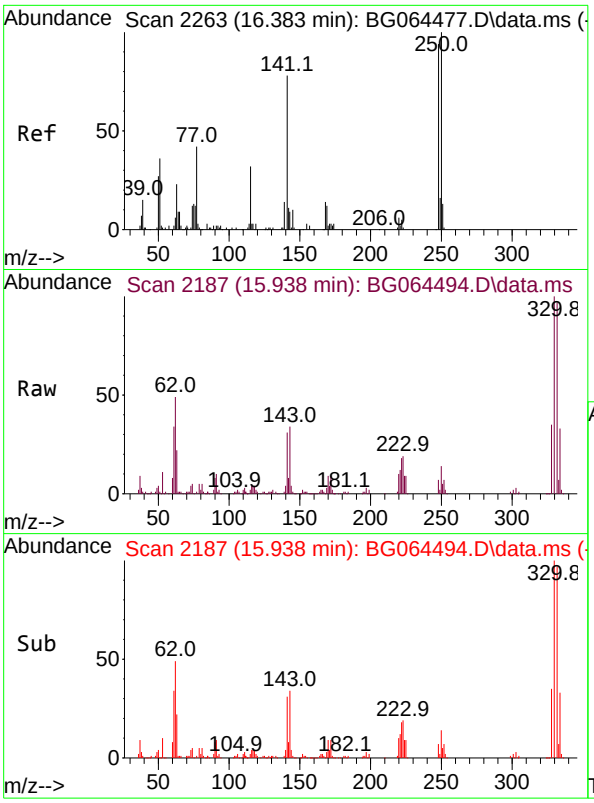


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:188 Resp: 127112

Ion	Ratio	Lower	Upper
188	100		
94	4.4	3.7	5.5
80	4.6	4.5	6.7



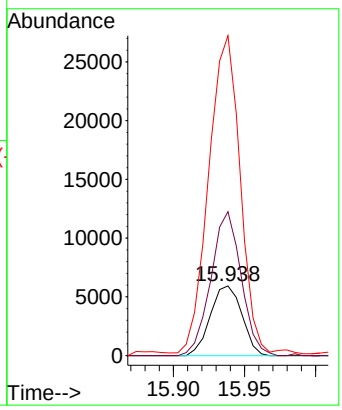


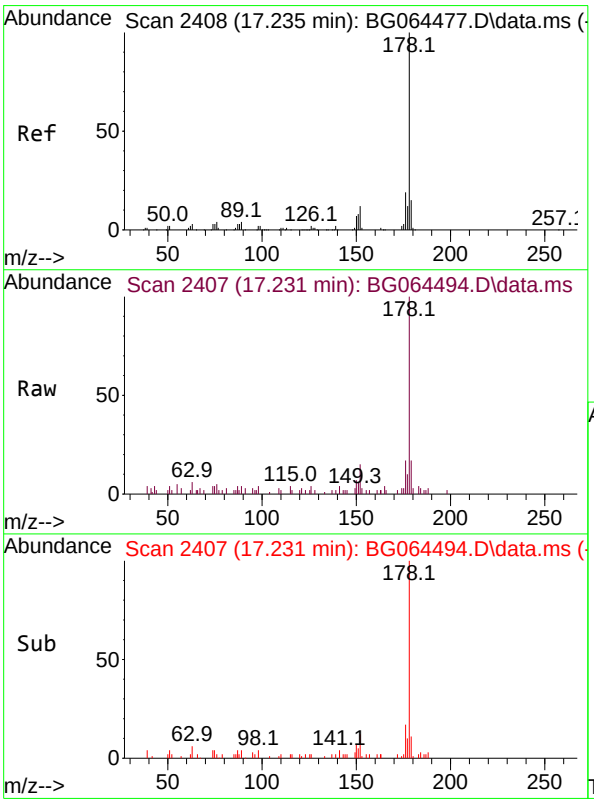
#67
4-Bromophenyl-phenylether
Concen: 6.126 ng
RT: 15.938 min Scan# 21
Delta R.T. -0.443 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:248 Resp: 9163

Ion	Ratio	Lower	Upper
248	100		
250	206.7	85.3	127.9#
141	459.7	66.2	99.2#

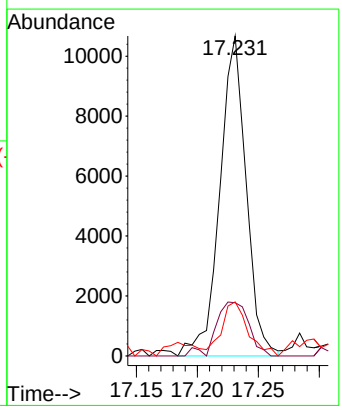


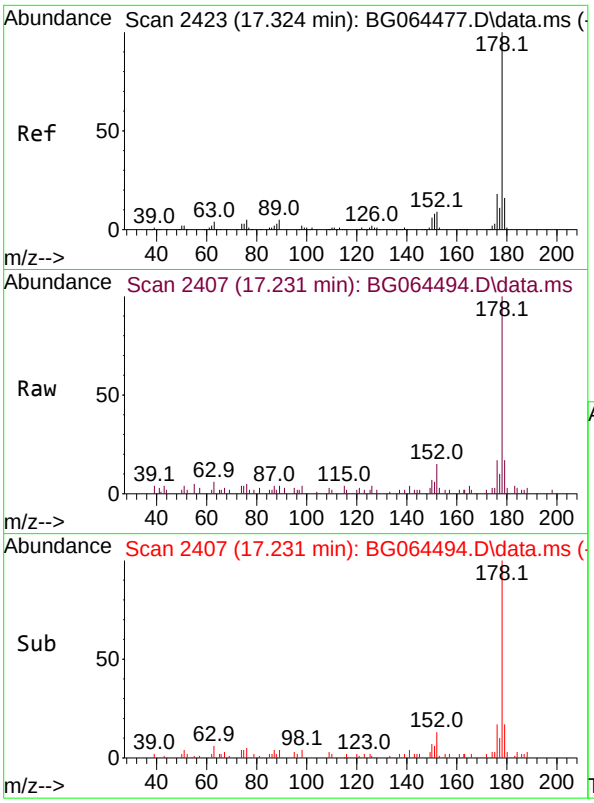


#71
Phenanthrene
Concen: 2.411 ng
RT: 17.231 min Scan# 2407
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:178 Resp: 16026

Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.2	22.8
179	16.9	11.8	17.6



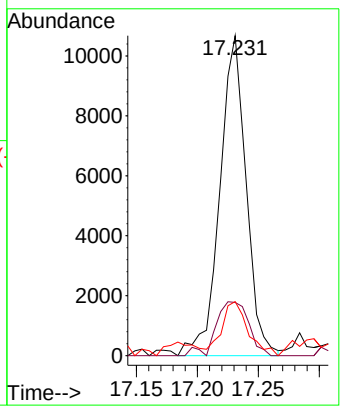


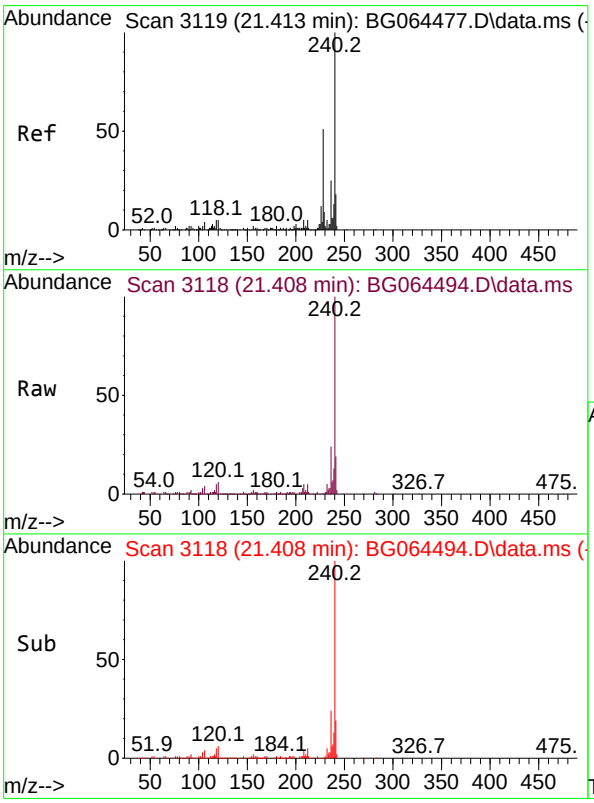
#72
Anthracene
Concen: 2.403 ng
RT: 17.231 min Scan# 24
Delta R.T. -0.090 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:178 Resp: 16026

Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.6	21.8
179	16.9	12.5	18.7

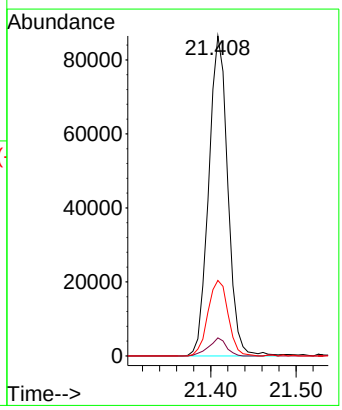


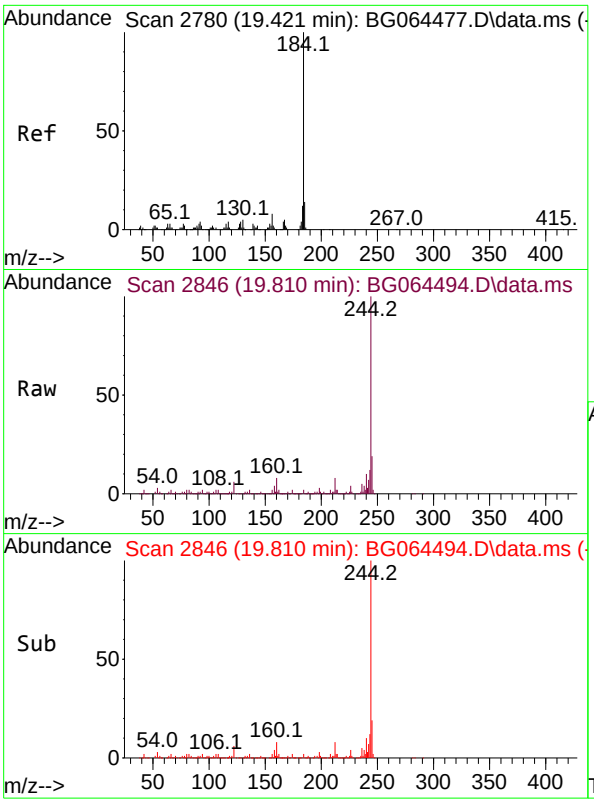


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.408 min Scan# 3118
Delta R.T. -0.002 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:240 Resp: 134148

Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.3	6.5
236	23.6	20.4	30.6



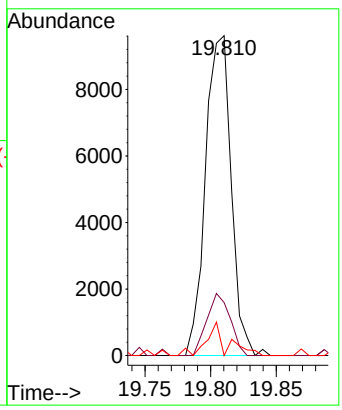


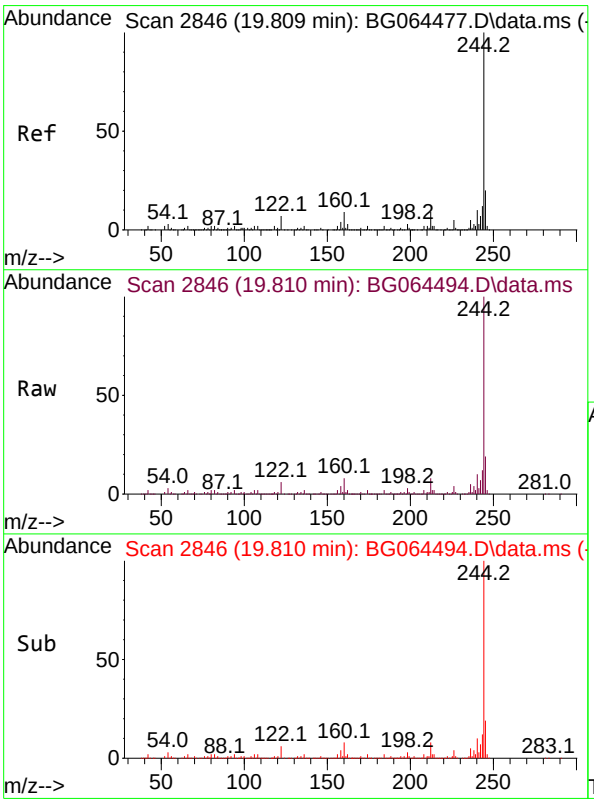
#77
Benzidine
Concen: 3.921 ng
RT: 19.810 min Scan# 28
Delta R.T. 0.385 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:184 Resp: 13087

Ion	Ratio	Lower	Upper
184	100		
185	16.6	10.9	16.3#
183	0.0	9.8	14.6#

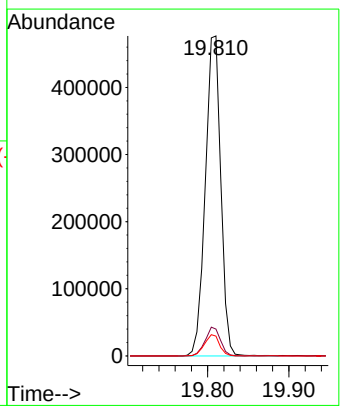


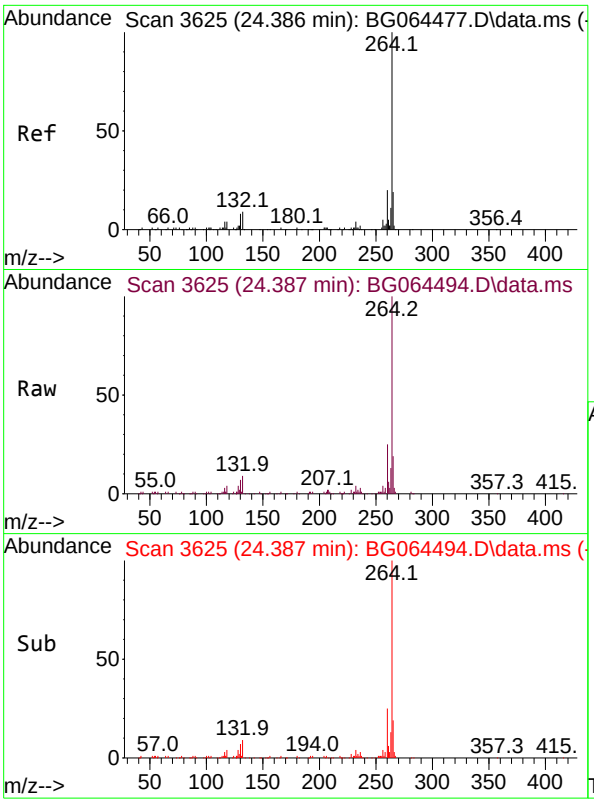


#79
Terphenyl-d14
Concen: 89.098 ng
RT: 19.810 min Scan# 2846
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:244 Resp: 631565

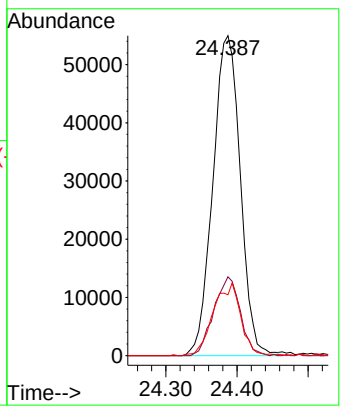
Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.6
122	6.2	5.6	8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.387 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:264 Resp: 147315

Ion	Ratio	Lower	Upper
264	100		
260	24.6	16.2	24.4#
265	19.0	15.0	22.4